

Fig. 1

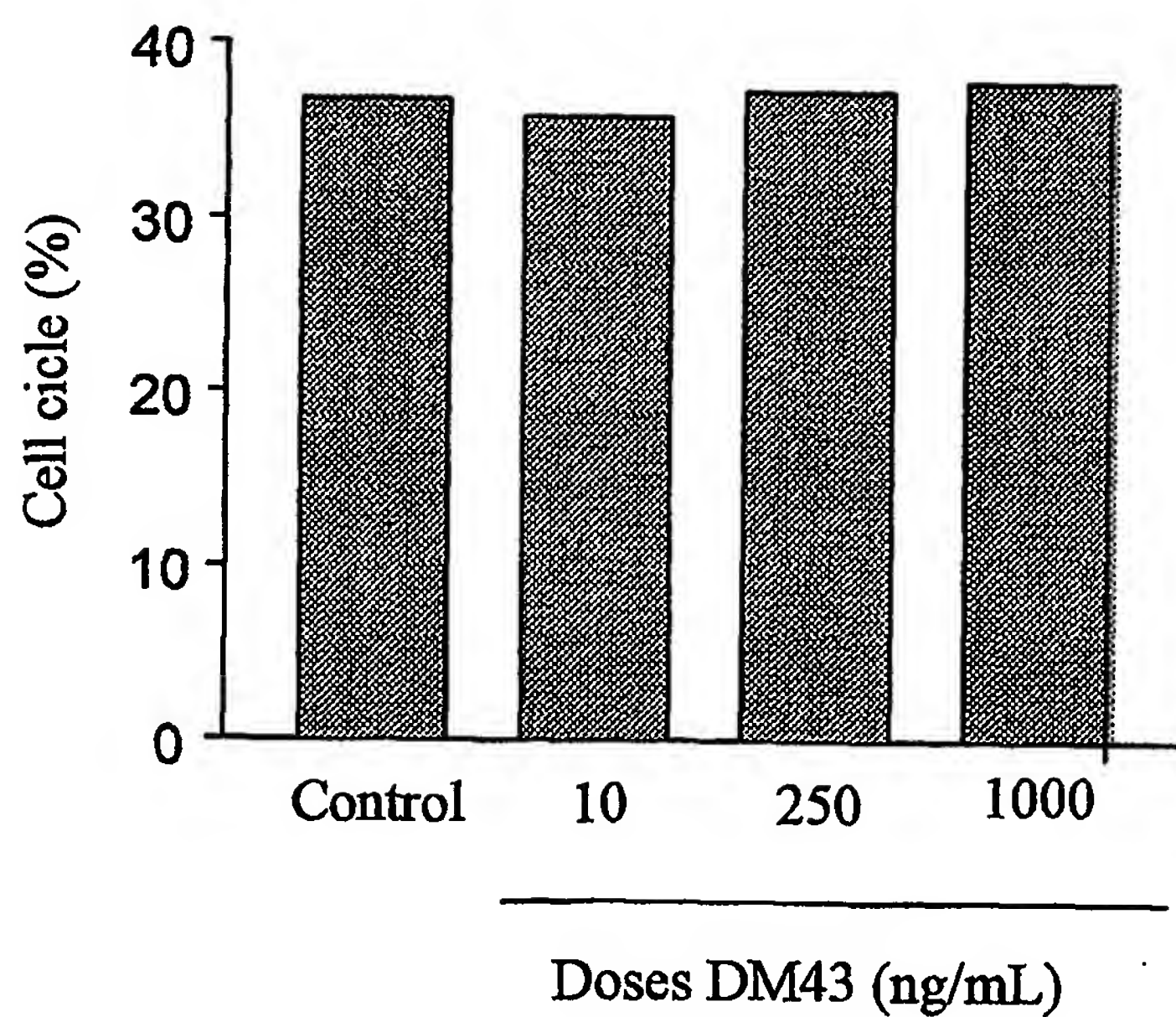


Fig. 2

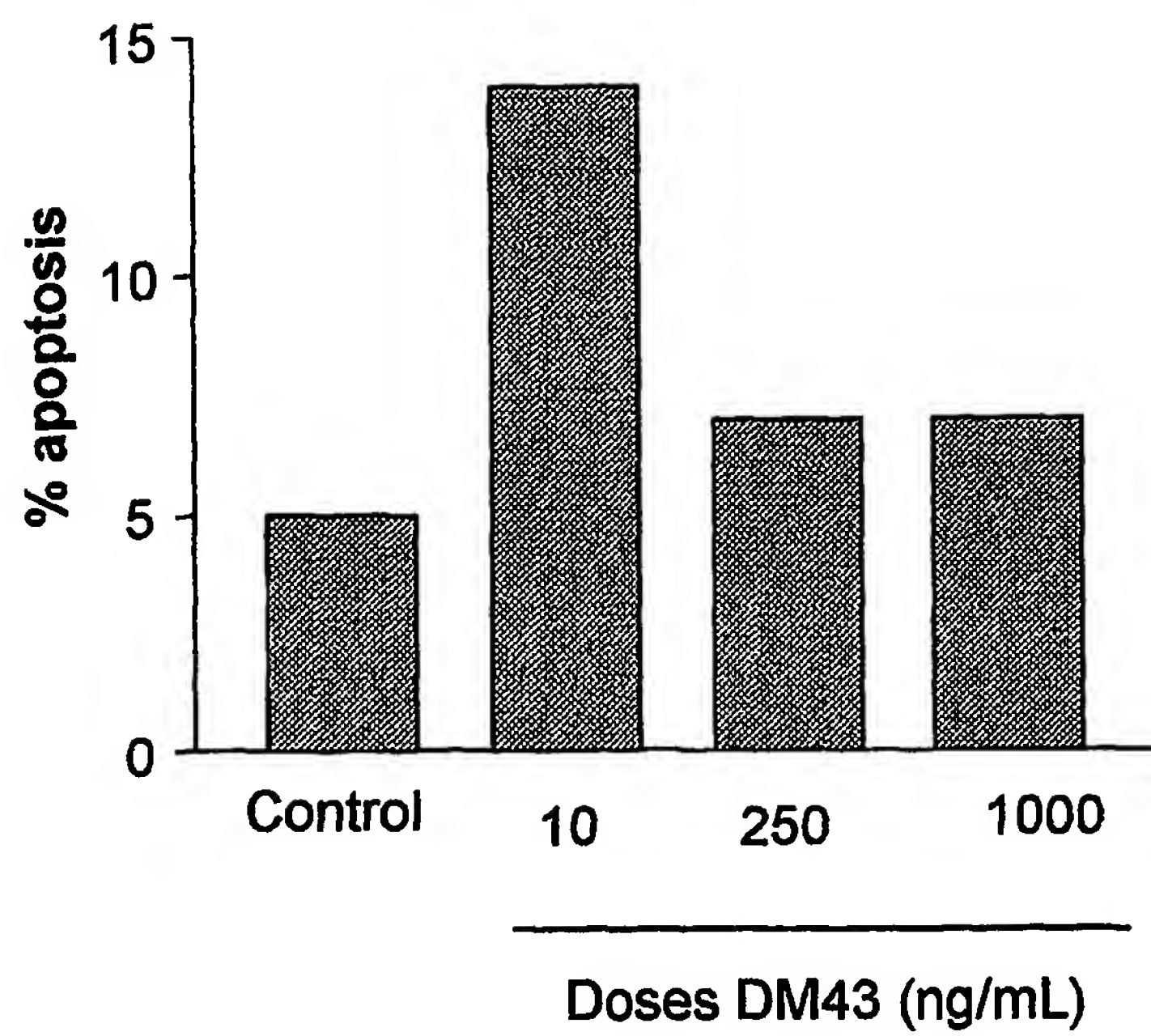


Fig. 3

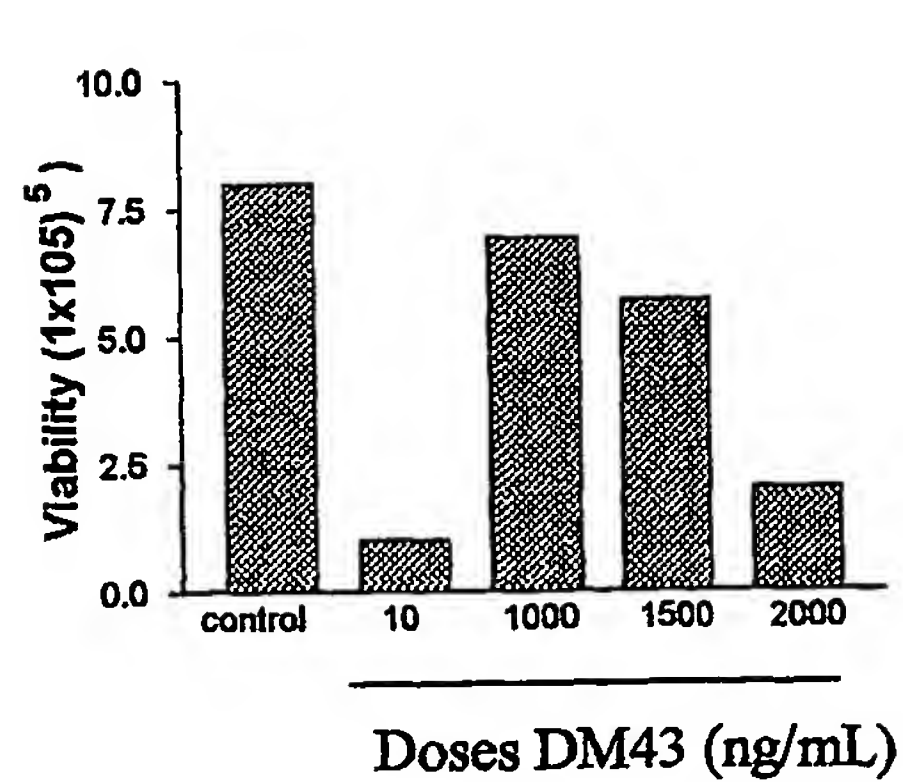


Fig. 4A

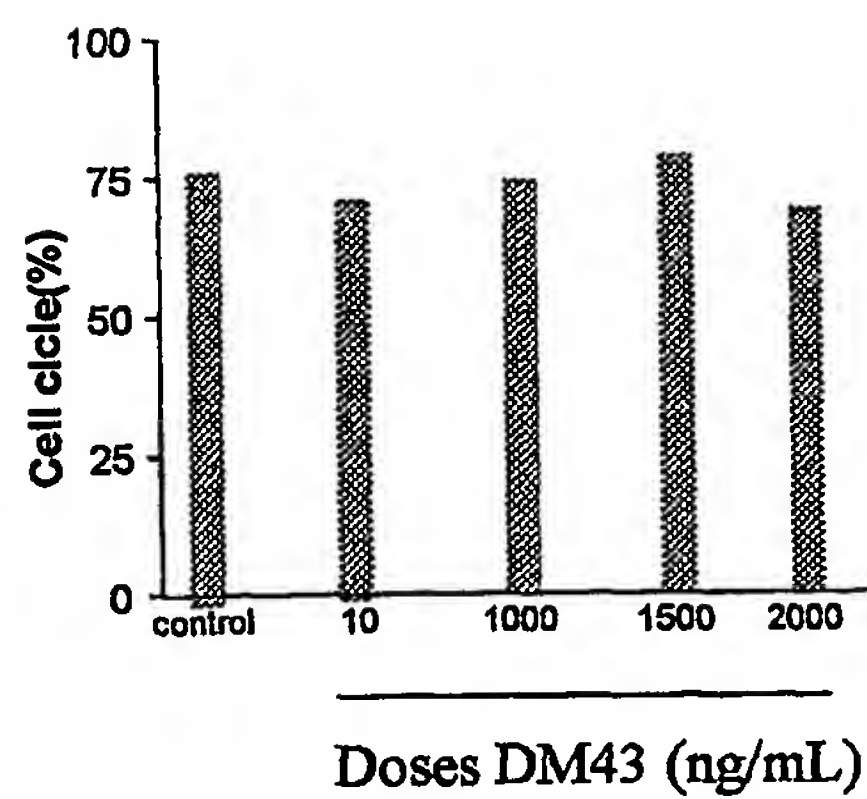


Fig. 4B

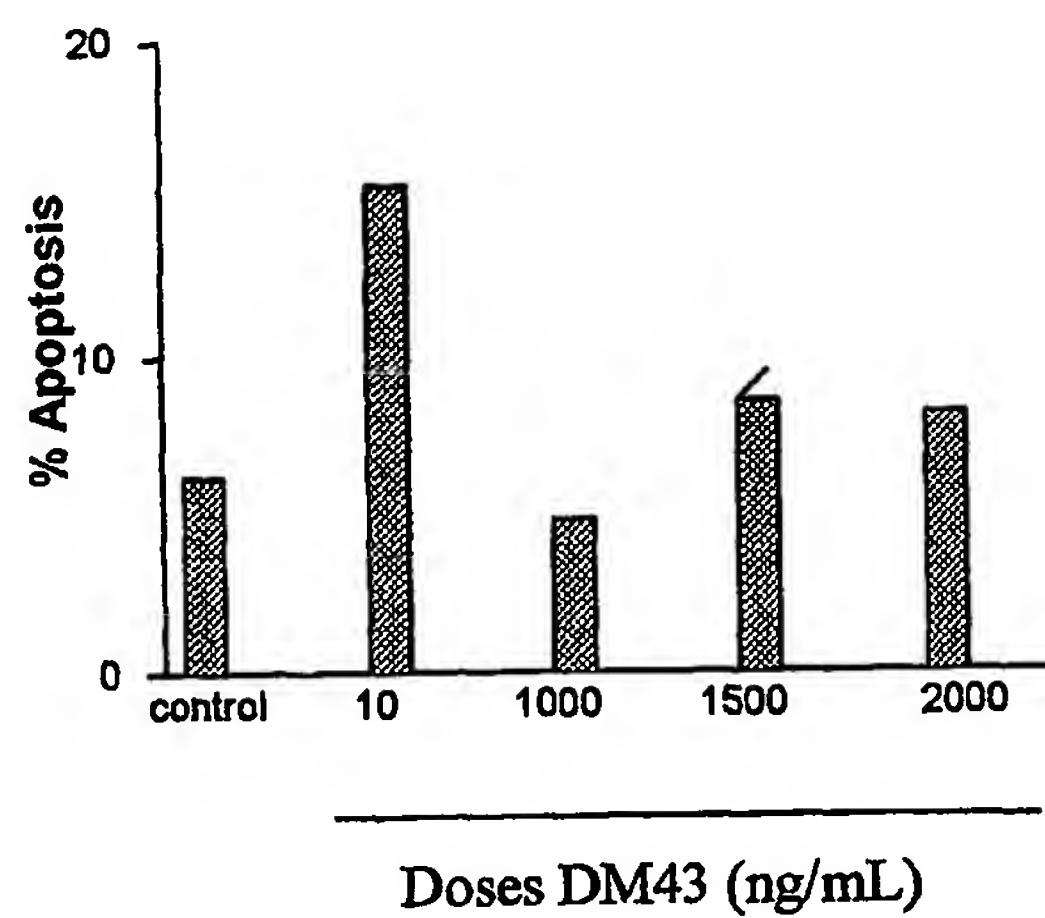
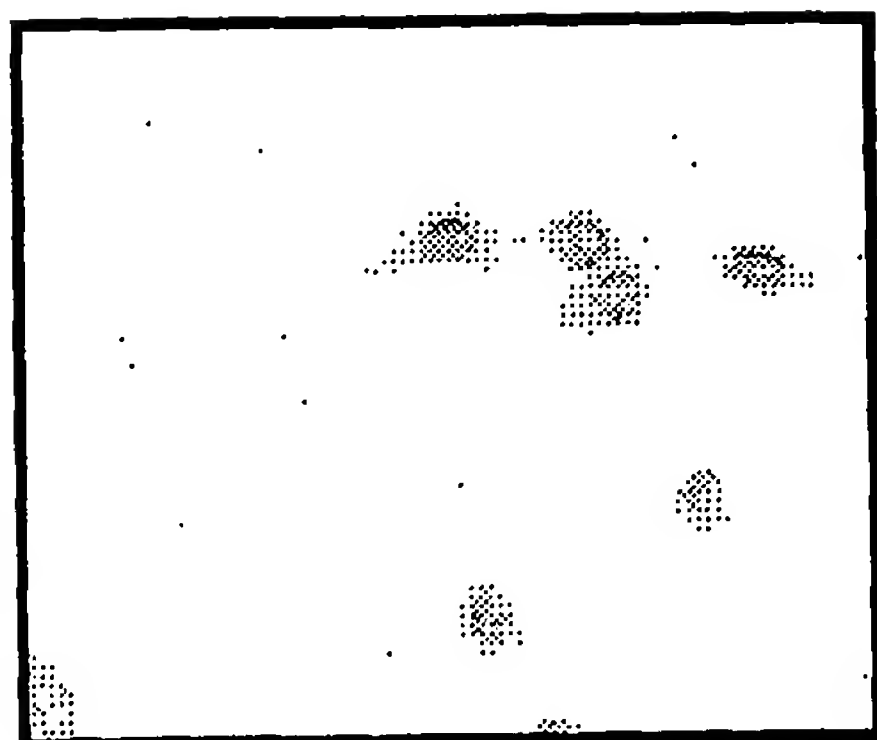
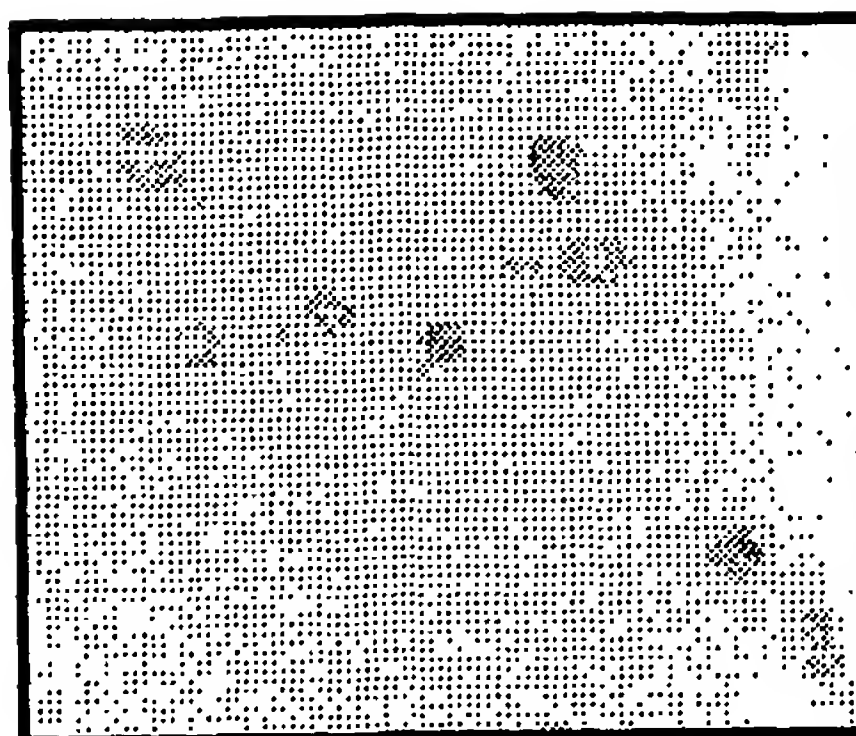


Fig. 4C



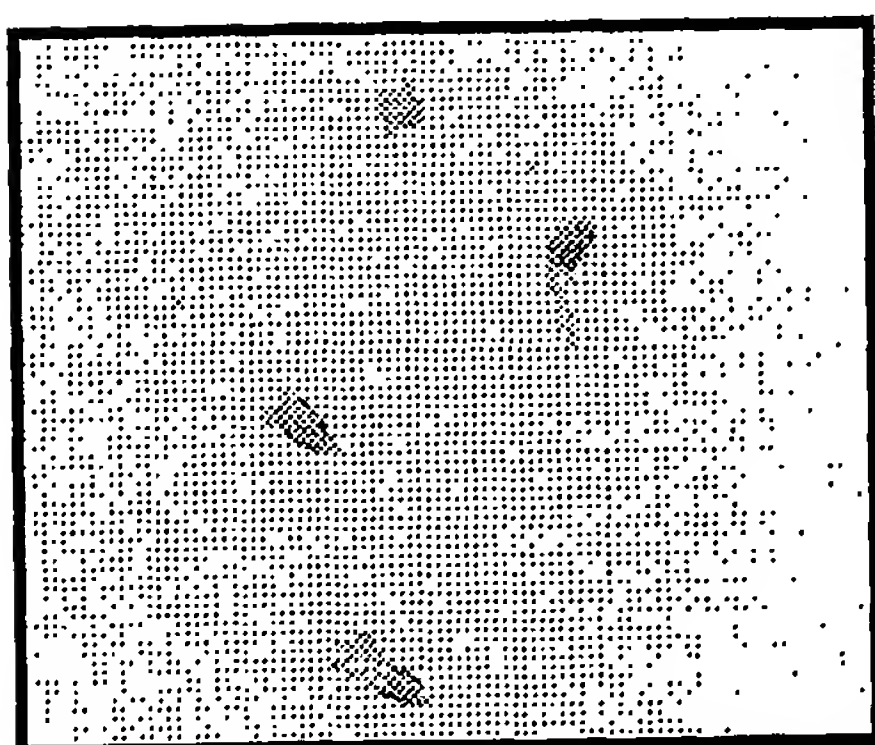
Control

Fig. 5A



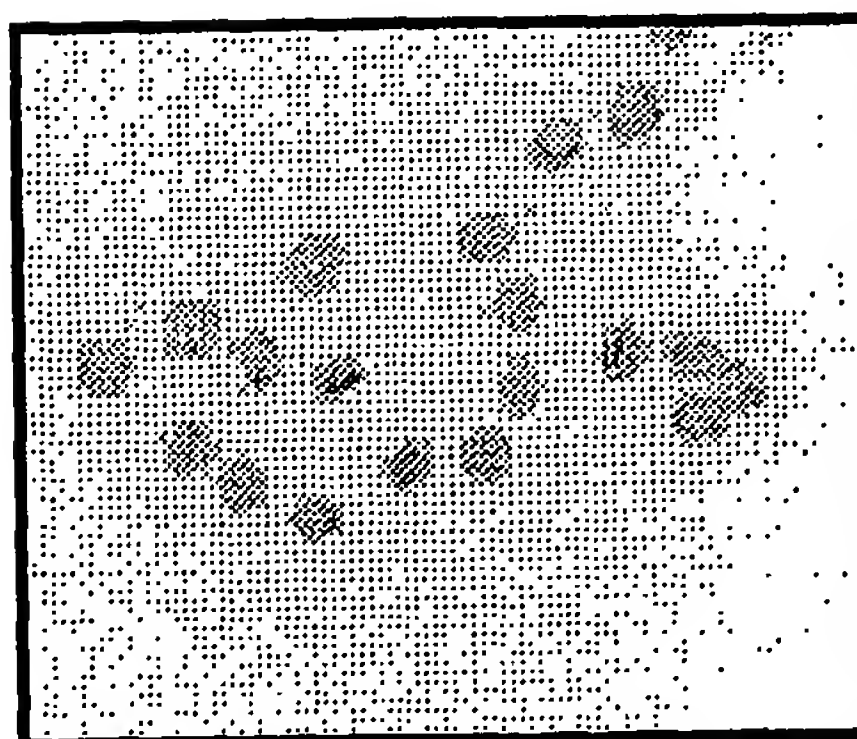
DM43 (10ng/mL)

Fig. 5B



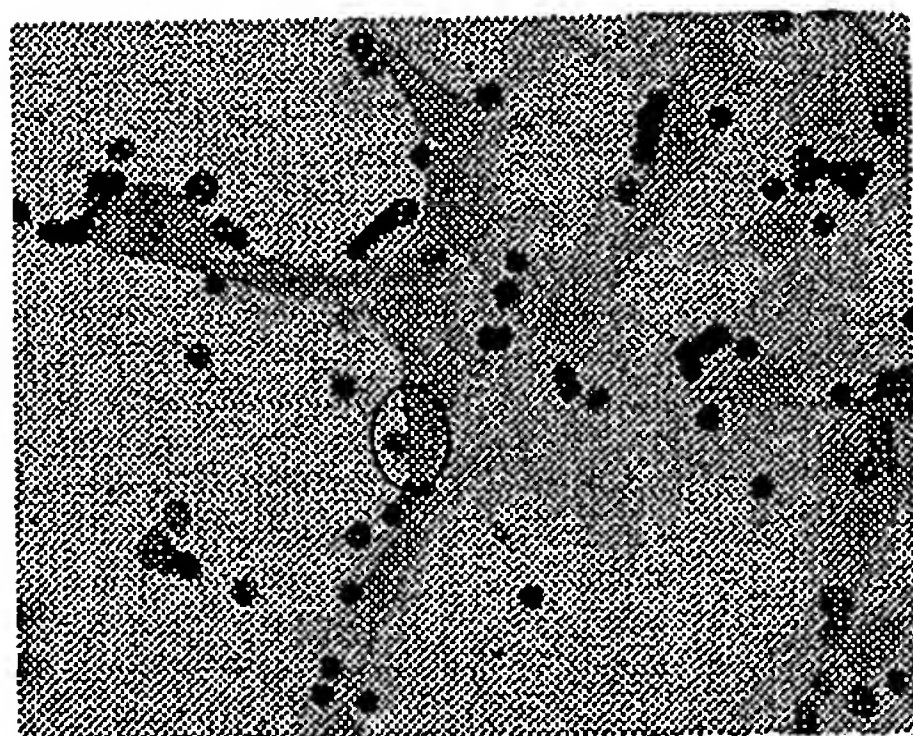
DM 43 (250ng/mL)

Fig. 5C



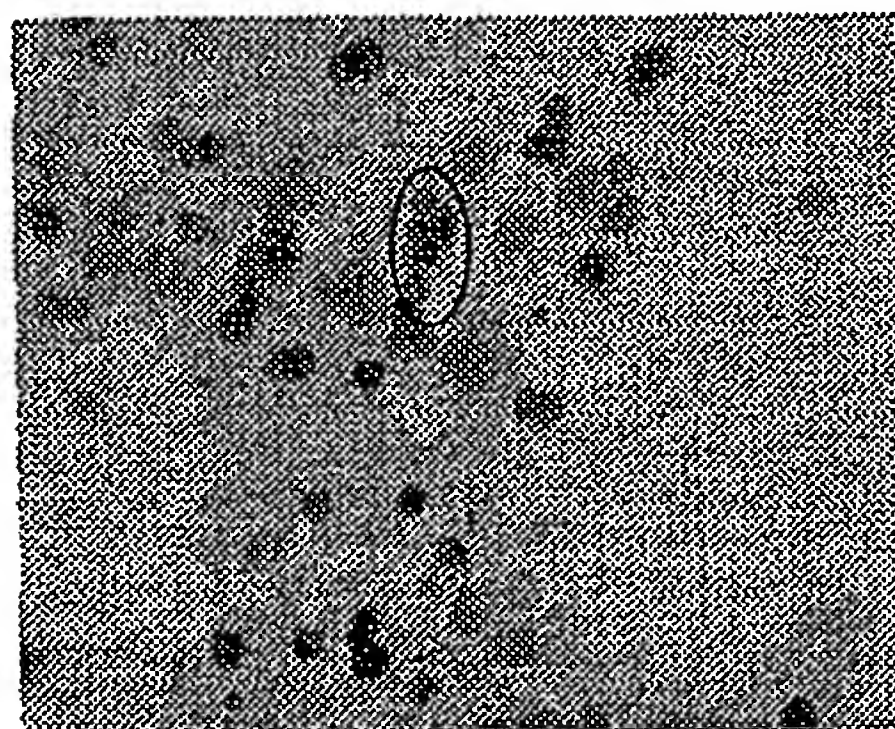
DM43 (1000ng/mL)

Fig. 5D



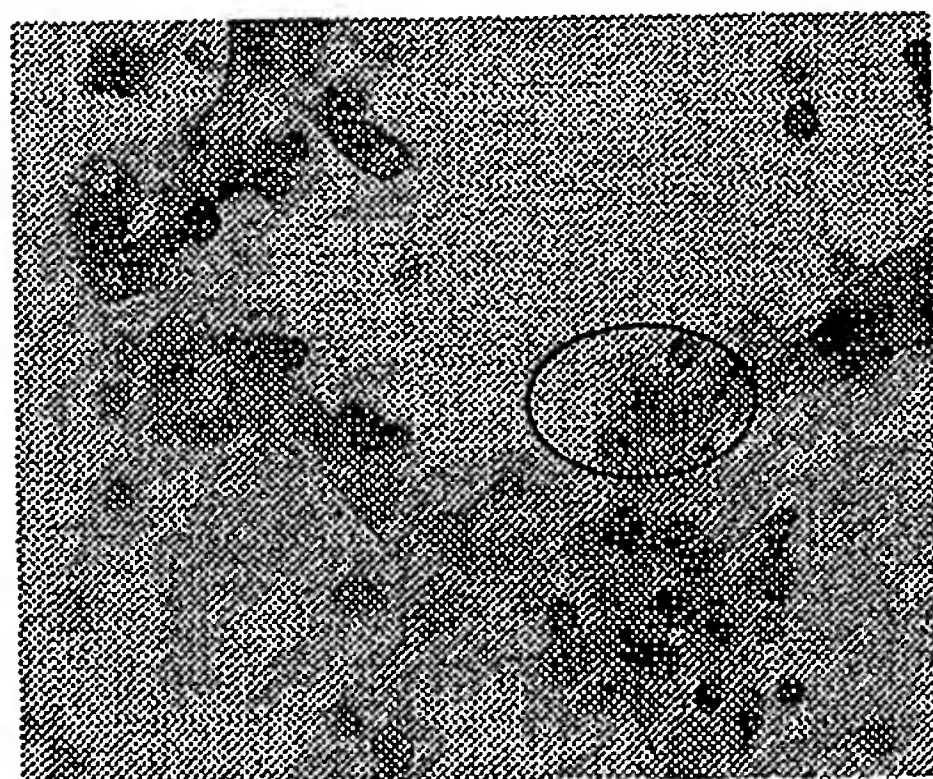
control

Fig. 6A



DM43 (10ng/mL)

Fig. 6B



DM 43 (250ng/mL)

Fig. 6C



DM43 (1000ng/mL)

Fig. 6D

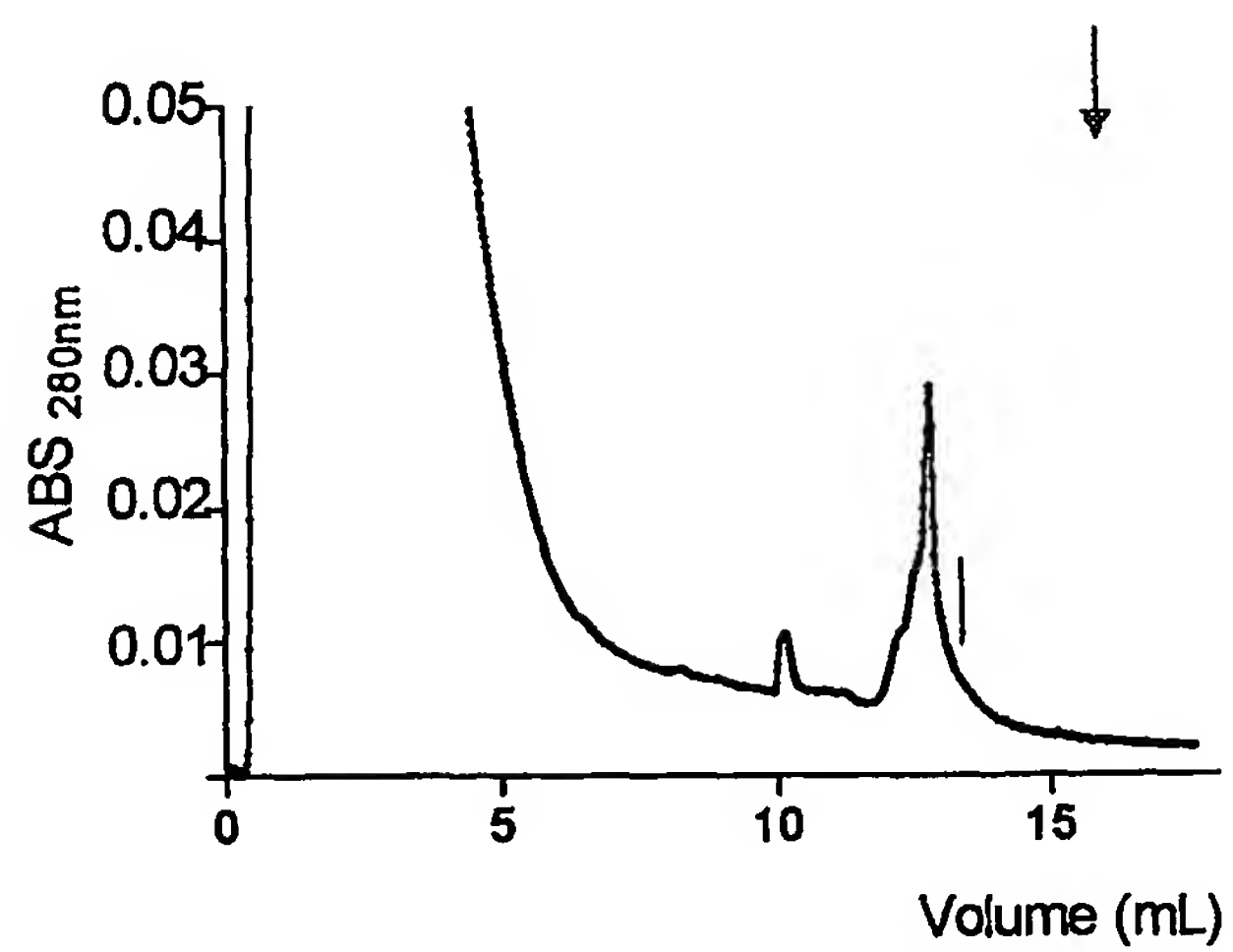


Fig. 7

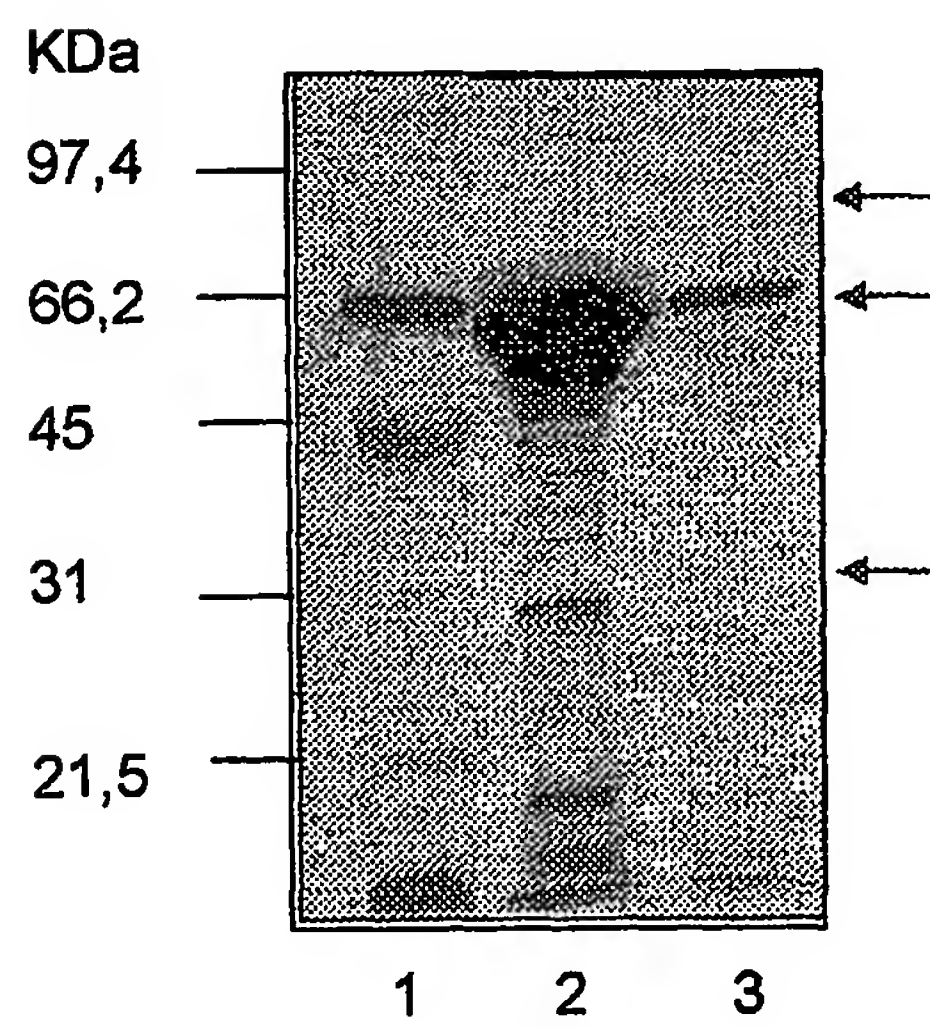


Fig. 8

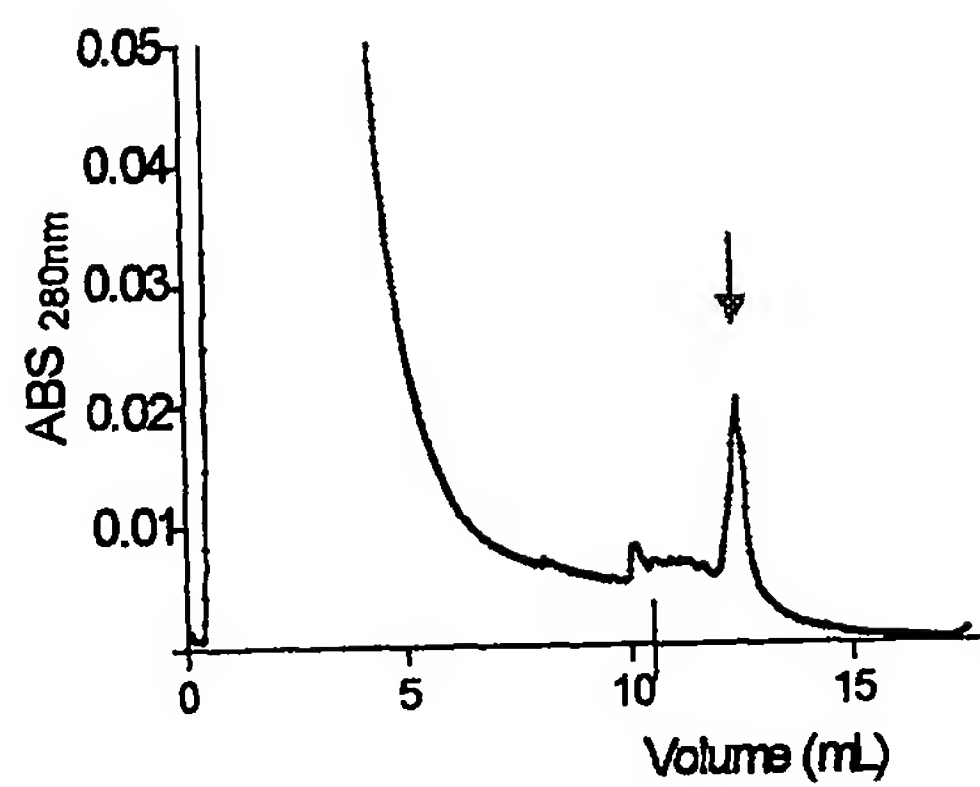


Fig. 9A

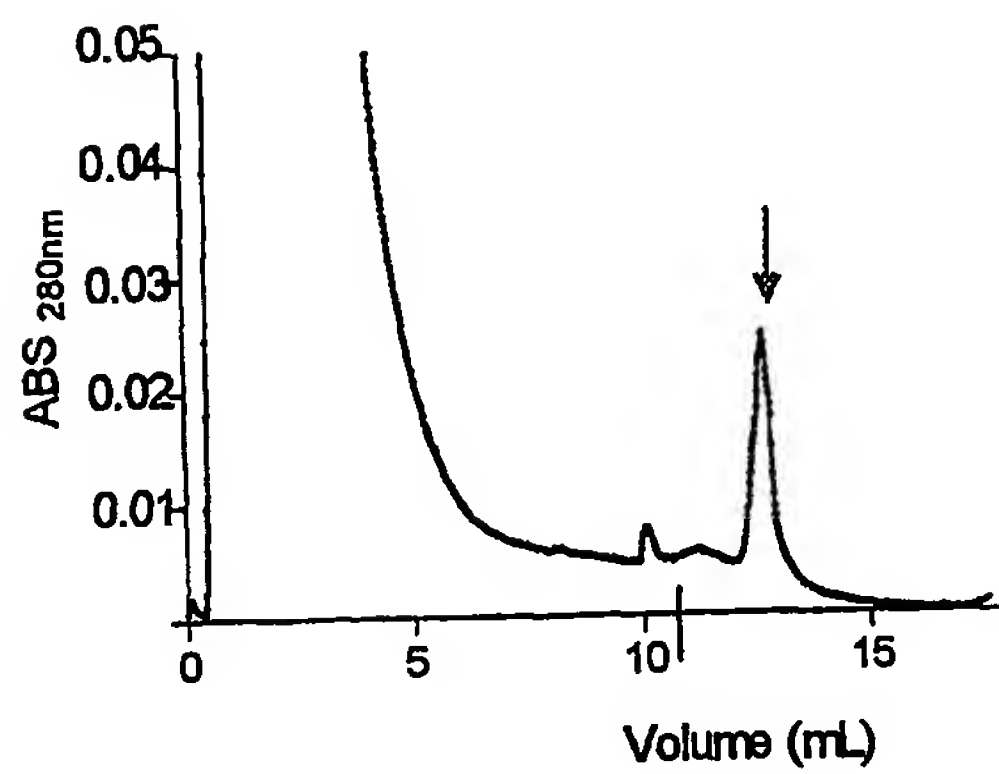


Fig. 9B

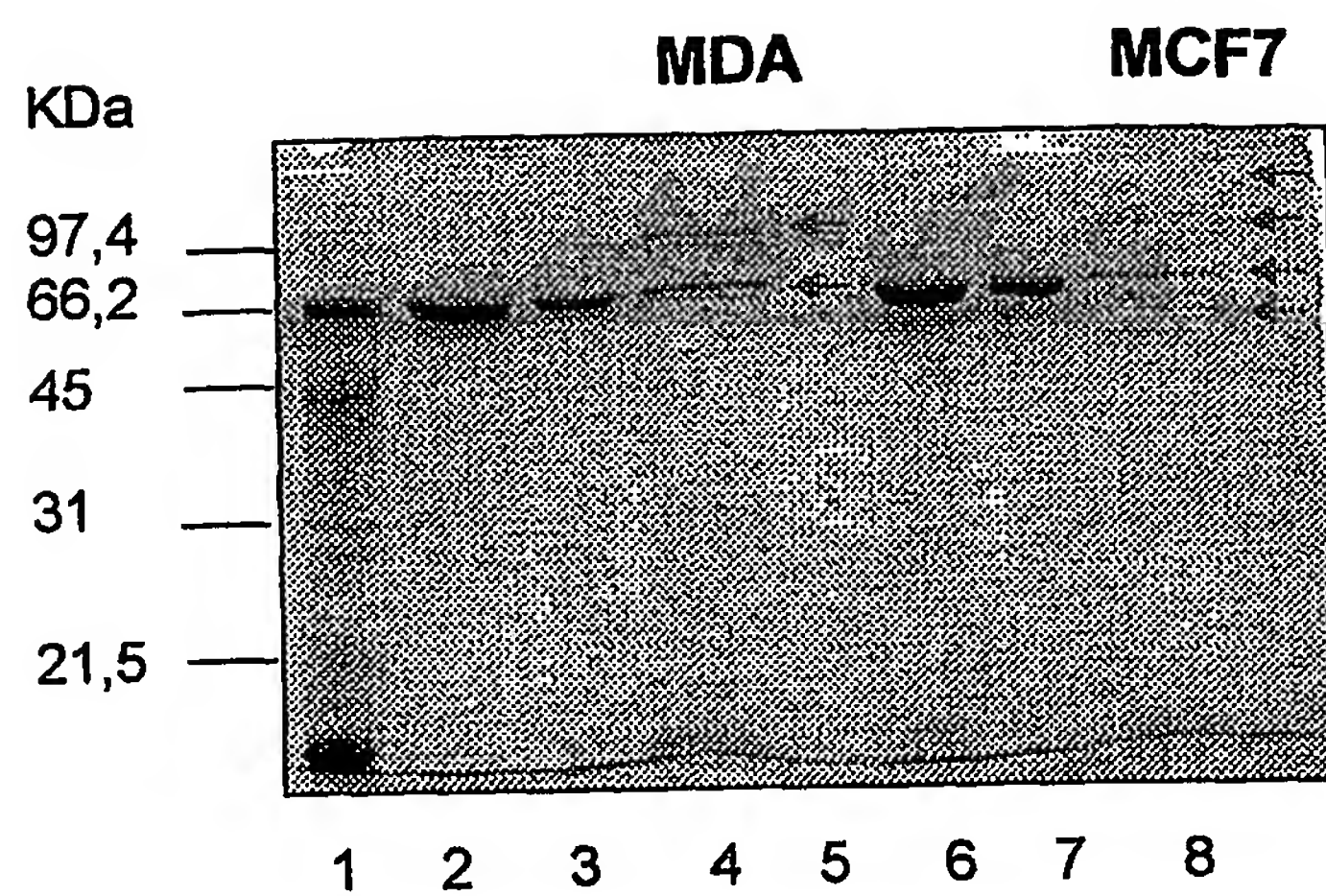


Fig. 10

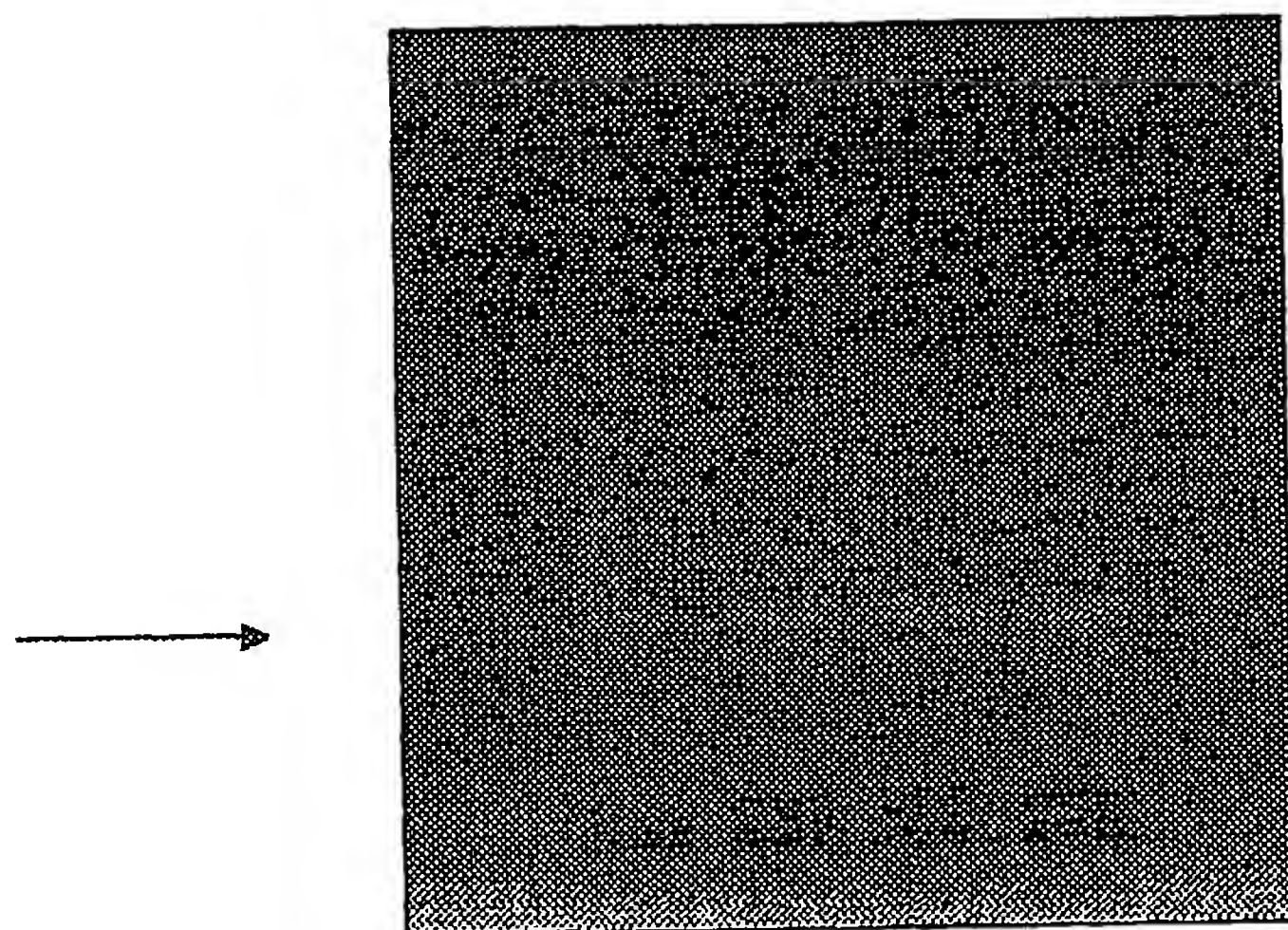


Fig. 11

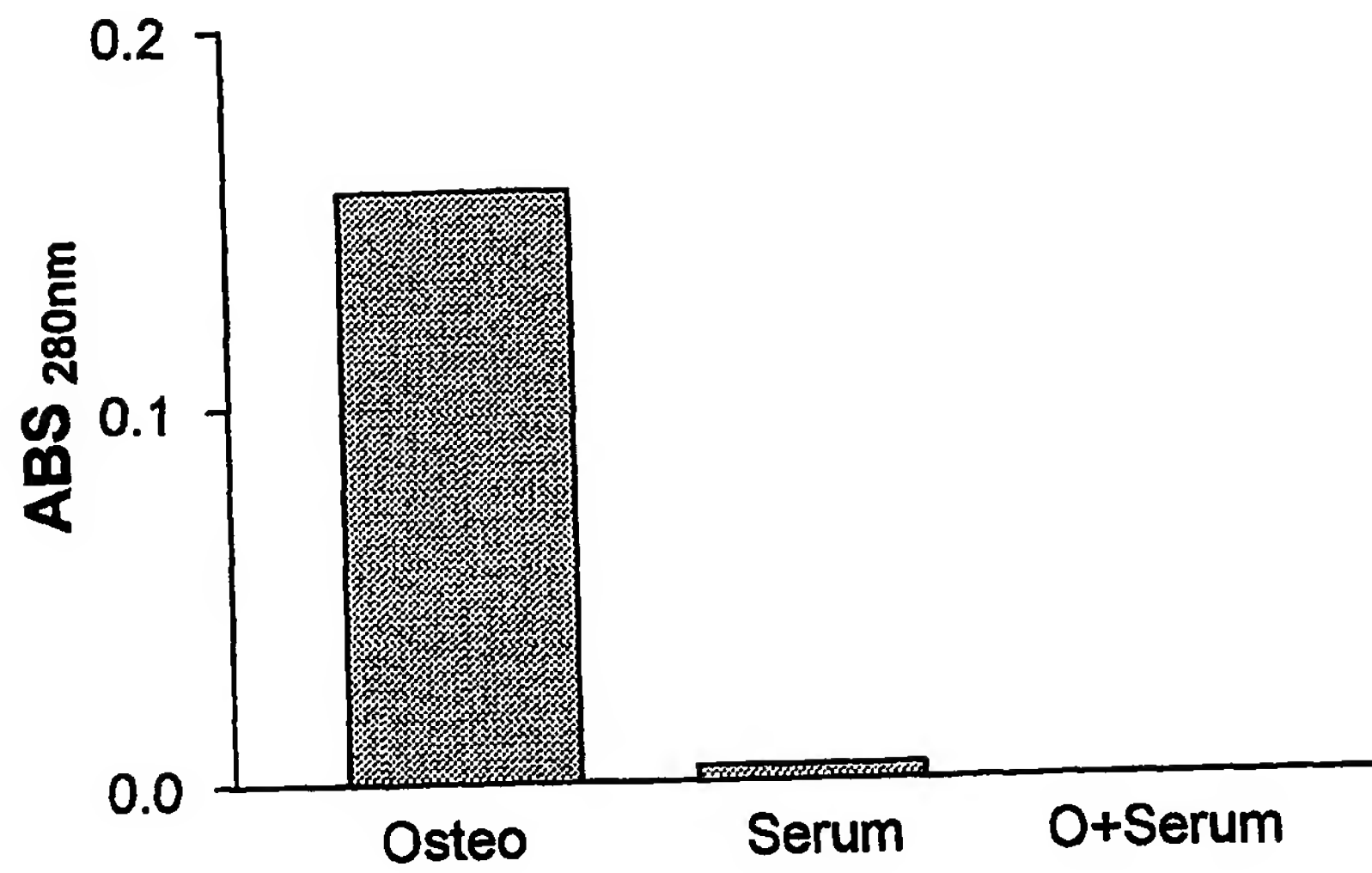


Fig. 12

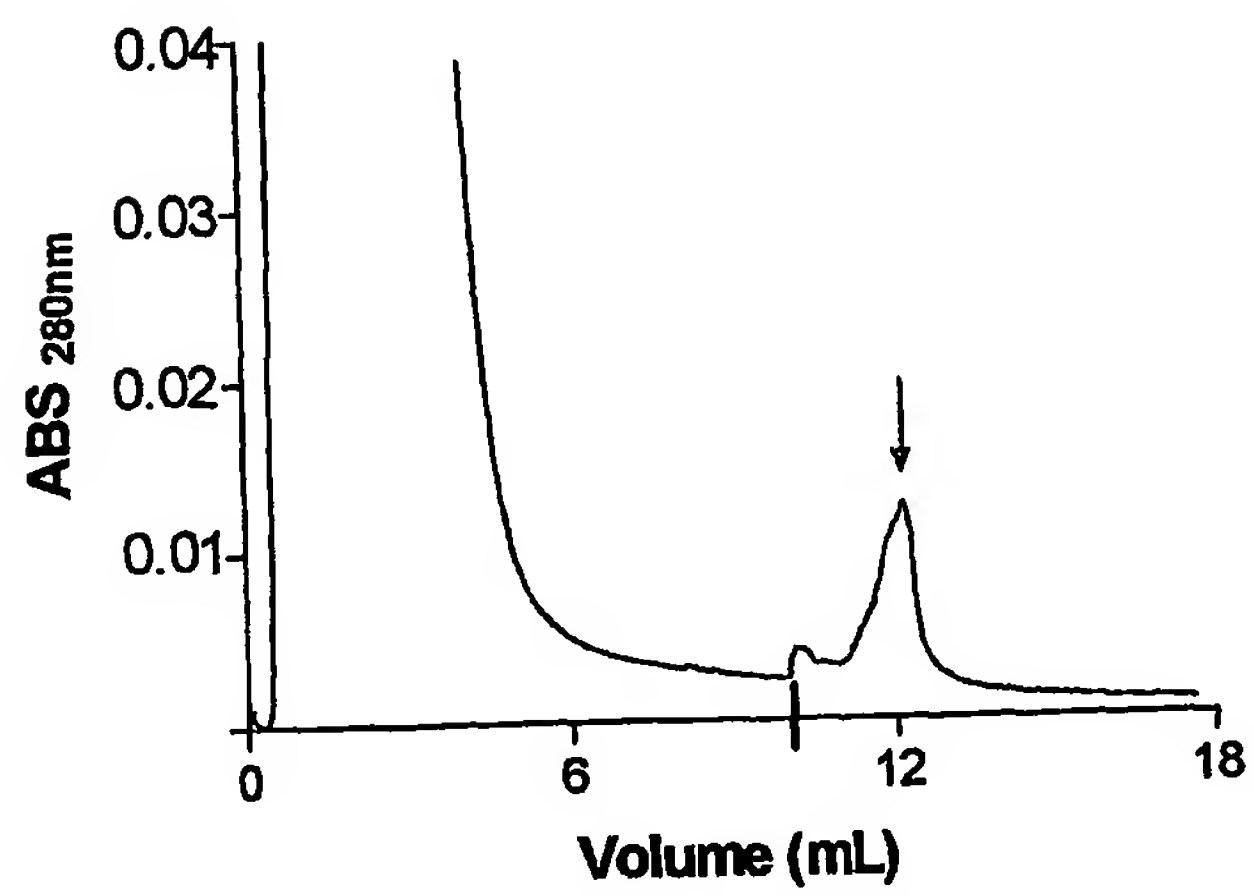


Fig. 13

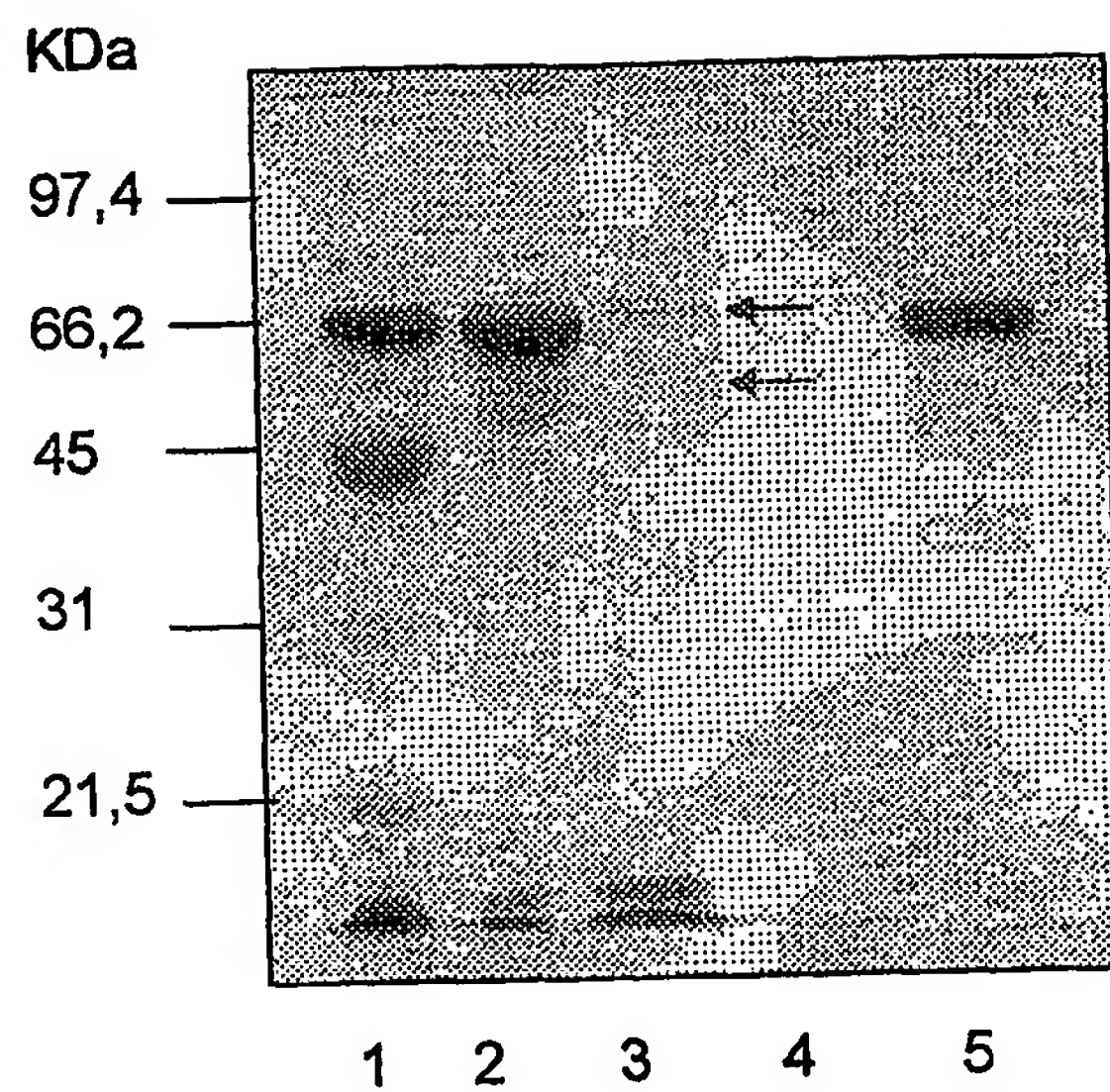


Fig. 14A

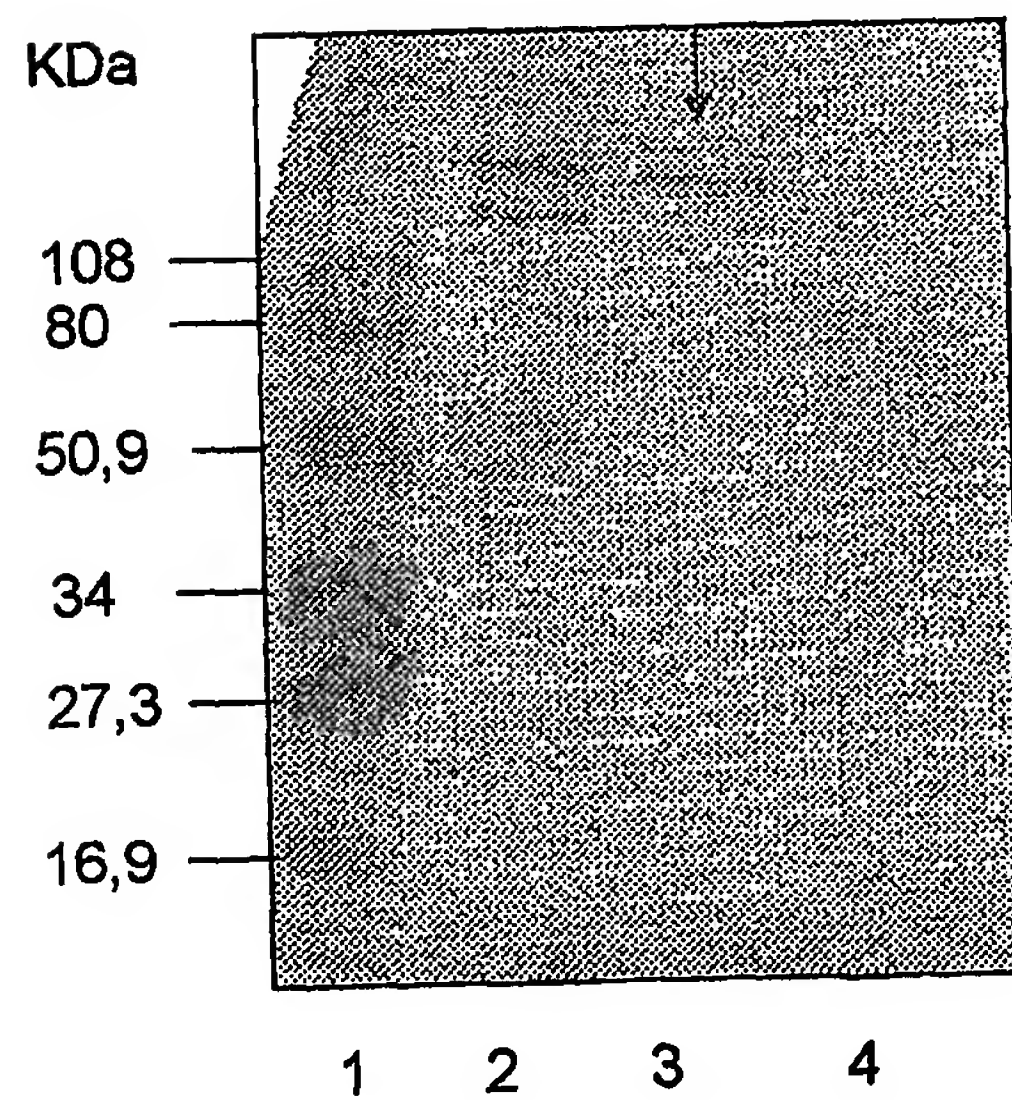


Fig. 14B

TABLE II
MEMBERS OF THE MATRIN Family

| Group name | MMP number | EC number | M, latent/active | Notes |
|----------------------------------|------------|--------------|------------------|---|
| Collagenase | | | | |
| Collagenase 1 | MMP-1 | EC 3.4.24.7 | 52,000 42,000 | Interstitial collagenase |
| Collagenase 2 | MMP-8 | EC 3.4.24.34 | 85,000 64,000 | Neutrophil collagenase |
| Collagenase 3 | MMP-13 | | 52,000 42,000 | Rodent interstitial collagenase |
| Collagenase 4 | MMP-18 | | 53,000 42,000 | <i>Xenopus</i> |
| Gelatinase | | | | |
| Gelatinase A | MMP-2 | EC 3.4.24.24 | 72,000 66,000 | Type IV collagenase |
| Gelatinase B | MMP-9 | EC 3.4.24.25 | 92,000 84,000 | Type V collagenase |
| Stromelysin | | | | |
| Stromelysin 1 | MMP-3 | EC 3.4.24.17 | 57,000 45,000 | Transin |
| Stromelysin 2 | MMP-10 | EC 3.4.24.22 | 64,000 44,000 | Transin-2 |
| Stromelysin 3 ¹ | MMP-11 | EC 3.4.24. | 64,000 45,000 | RRKR furin cleavage |
| Membrane-type | | | | |
| MT1-MMP | MMP-14 | | 66,000 64,000 | Transmembrane domain and RRKR furin cleavage site |
| MT2-MMP | MMP-15 | | 72,000 60,000 | |
| MT3-MMP | MMP-16 | | 64,000 53,000 | |
| MT4-MMP | MMP-17 | | 57,000 53,000 | |
| Others | | | | |
| Matrilysin | MMP-7 | EC 3.4.25.33 | 28,000 19,000 | Lacks hemopexin |
| Metalloelastase | MMP-12 | EC 3.4.24.65 | 54,000 23,000 | Macrophage elastase |
| (No trivial name) ² | MMP-19 | | 64,000 45,000 | |
| Enamelysin ³ | MMP-20 | | 64,000 22,000 | |
| Nonmammalian | | | | |
| <i>Xenopus</i> XMMP ⁴ | | | 70,000 53,000 | Cys in catalytic domain |
| Envelysin ⁵ | | | 63,000 48,000 | Sea urchin |
| Soybean MMP ⁶ | | | ? 19,000 | Protein sequencing |

Note: The values of *M_r*, except for MMP-8, are based on cDNA sequence; glycosylation may increase these values. Values for the active forms of MT-MMPs assume cleavage at the furin site. Names in bold are those recommended by the IUBMB. Certain of these enzymes do not receive further attention in the individual chapters; reference to these is as follows: ¹ Baas et al., 1990; ² Cossins et al., 1996; Pendas et al., 1997; ³ Bartlett et al., 1996; ⁴ Yang et al., 1997; ⁵ Lepage and Gache, 1990; ⁶ McGeehan et al., 1992.

Fig. 15

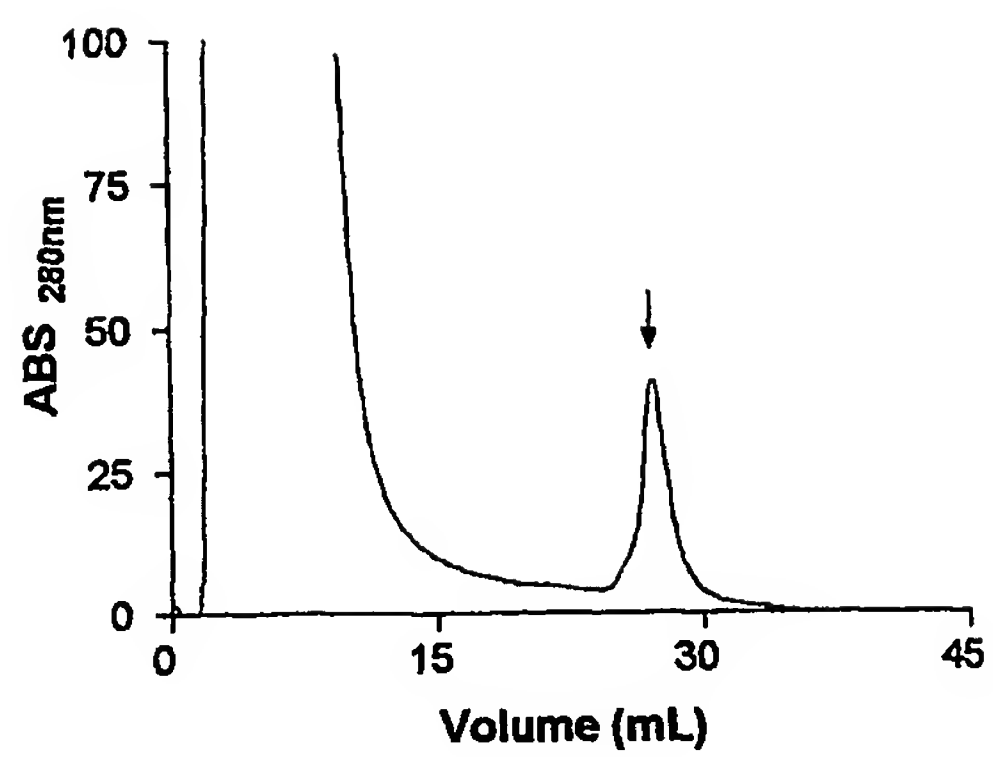


Fig. 16A

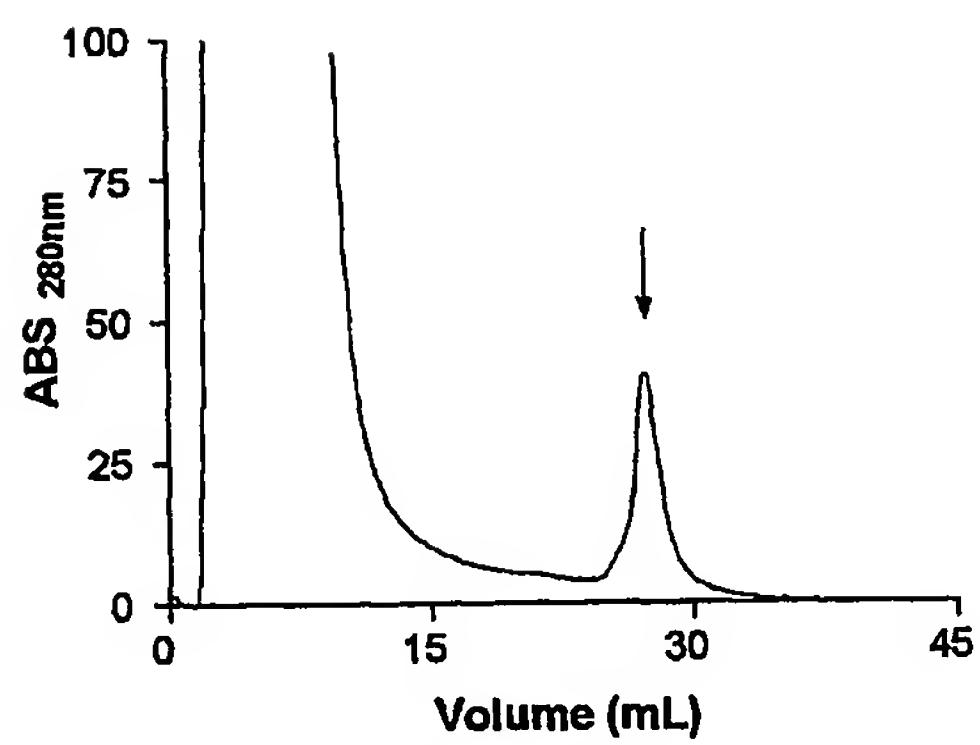


Fig. 16B

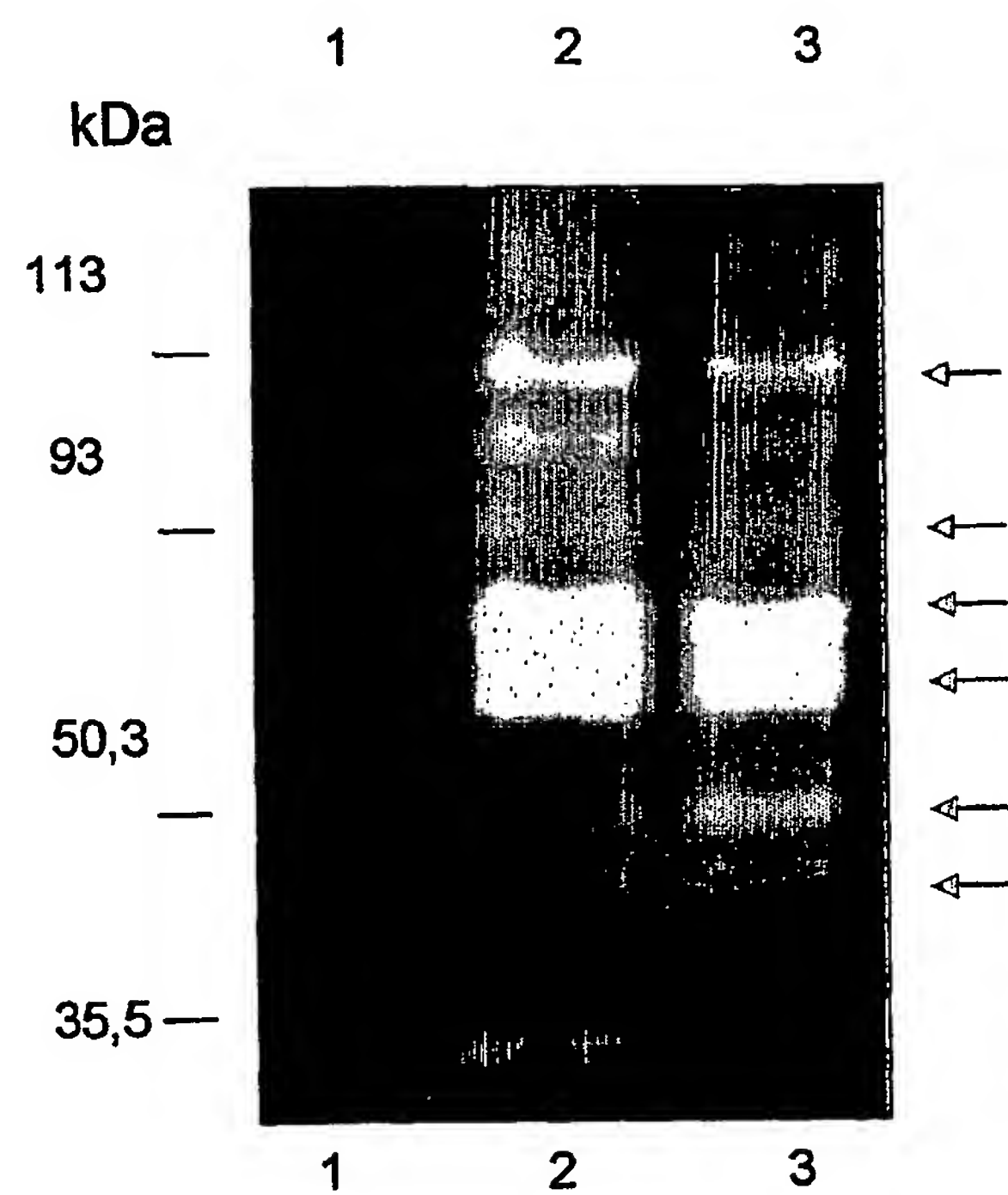


Fig. 17

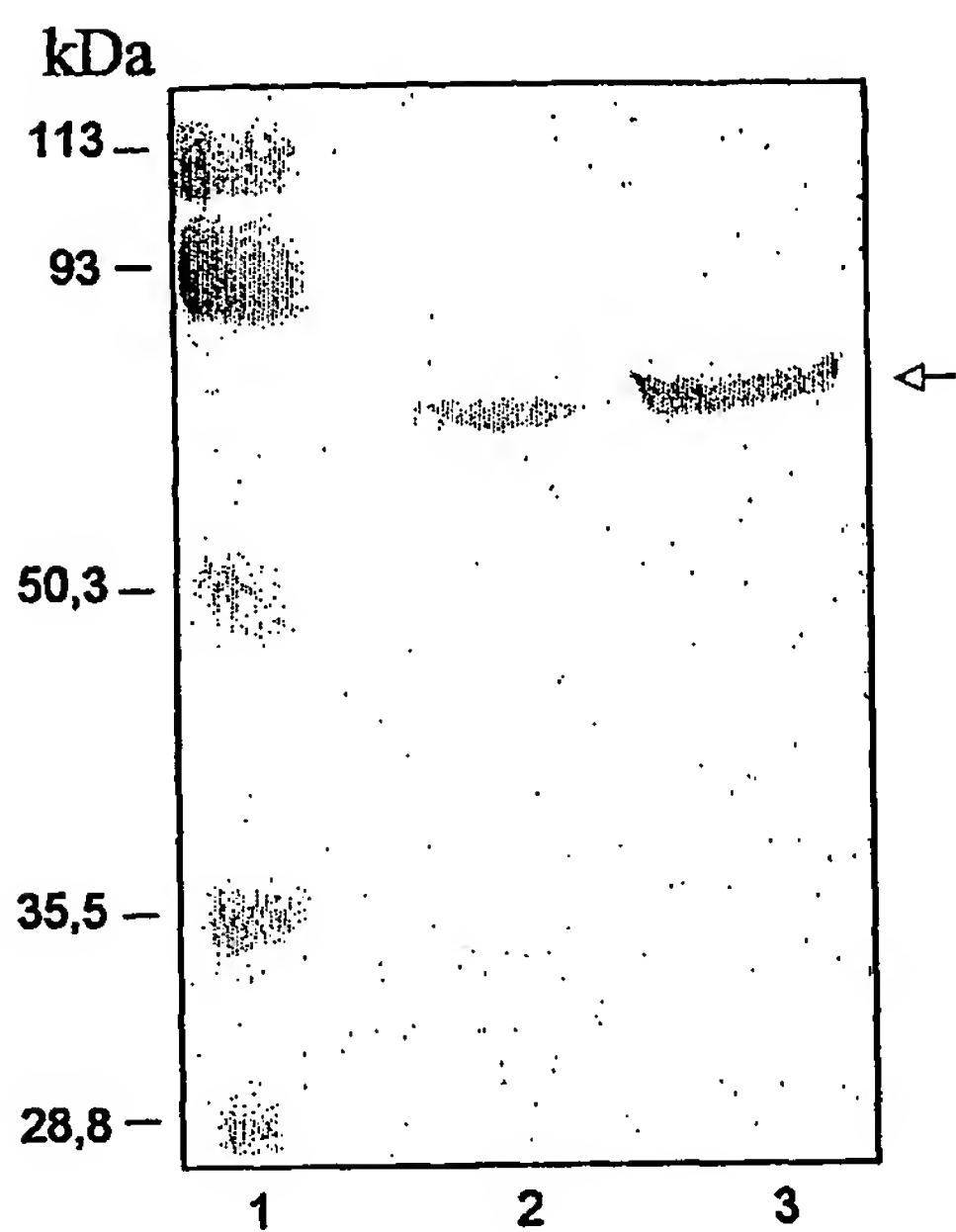


Fig. 18A

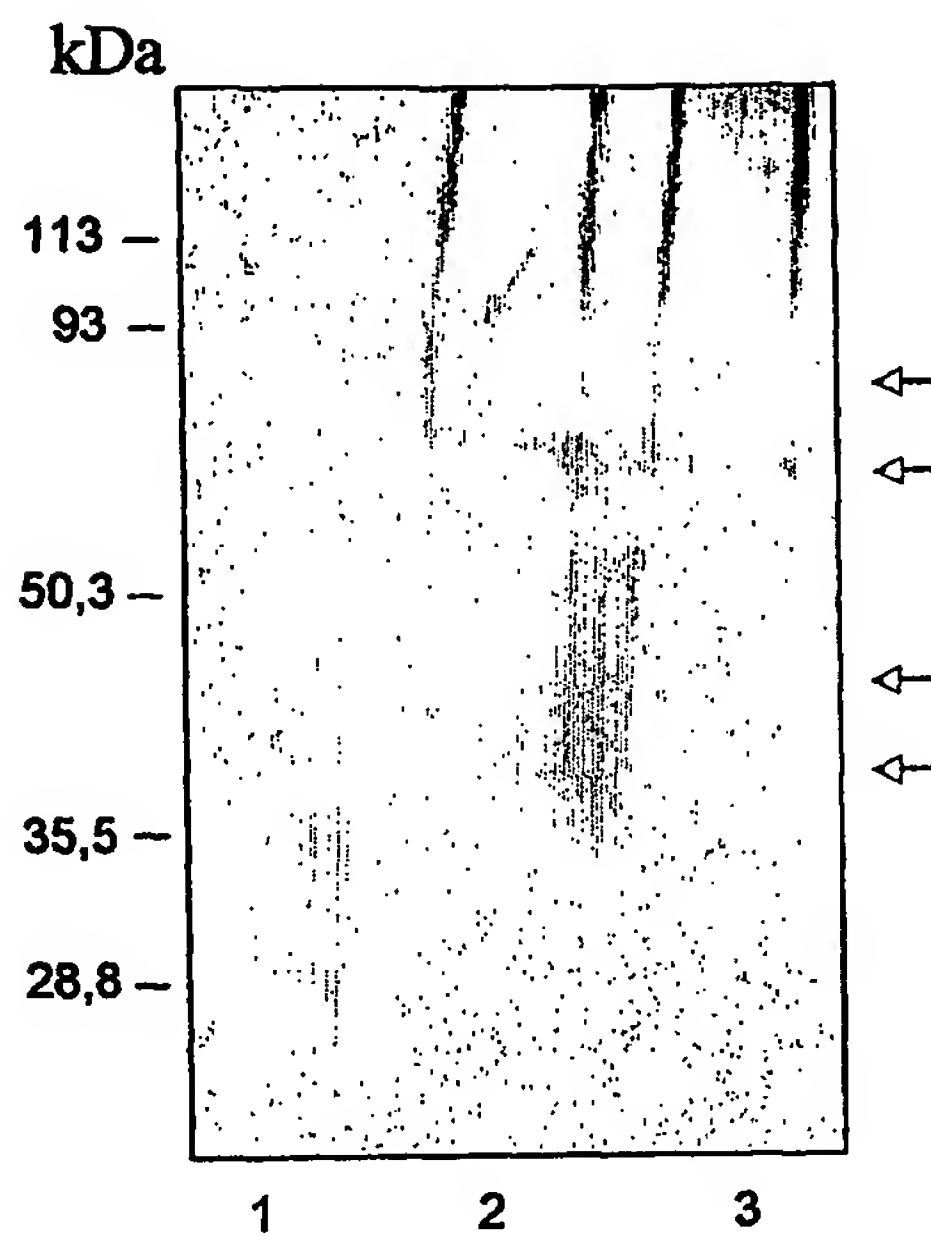


Fig. 18B

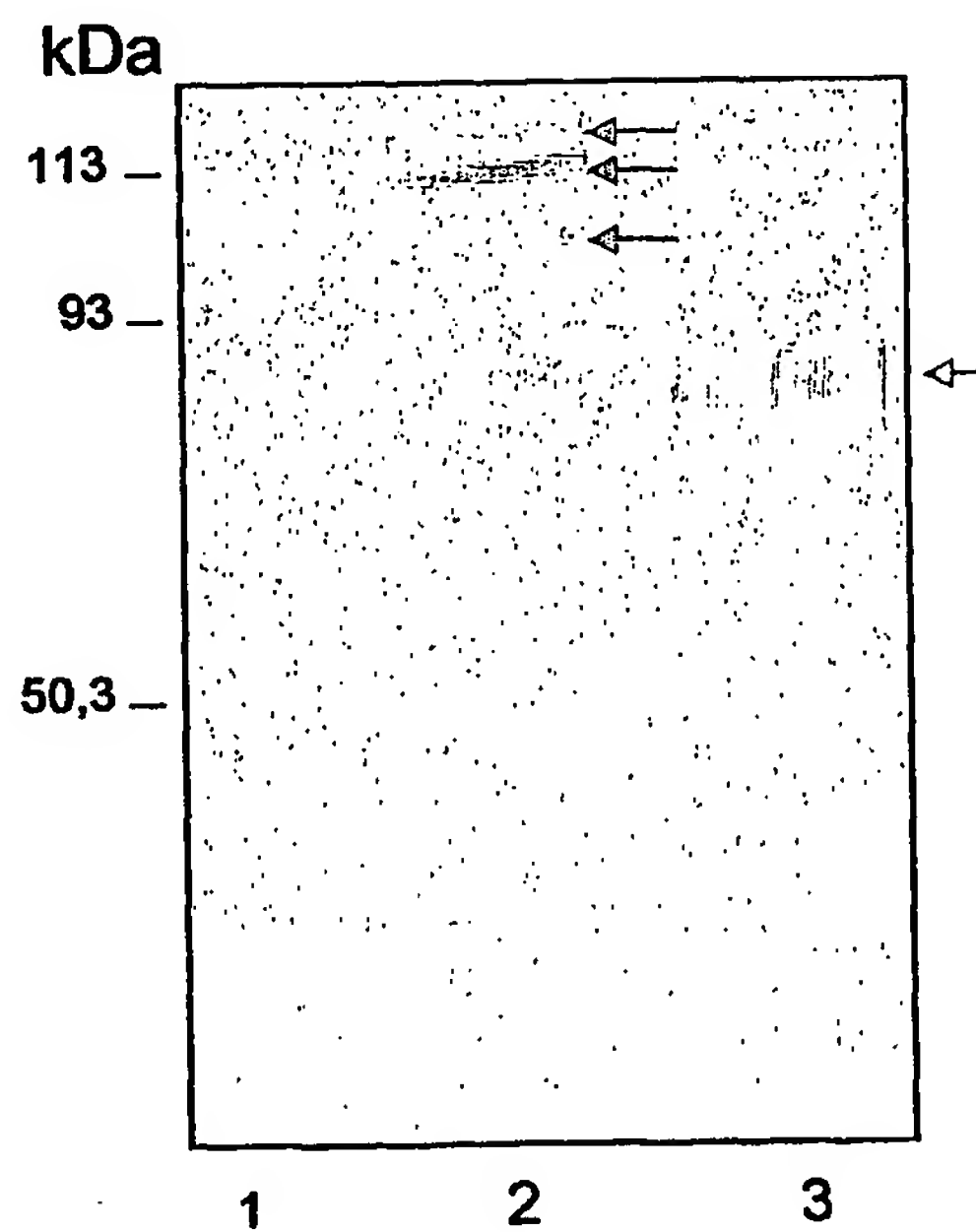


Fig. 18C

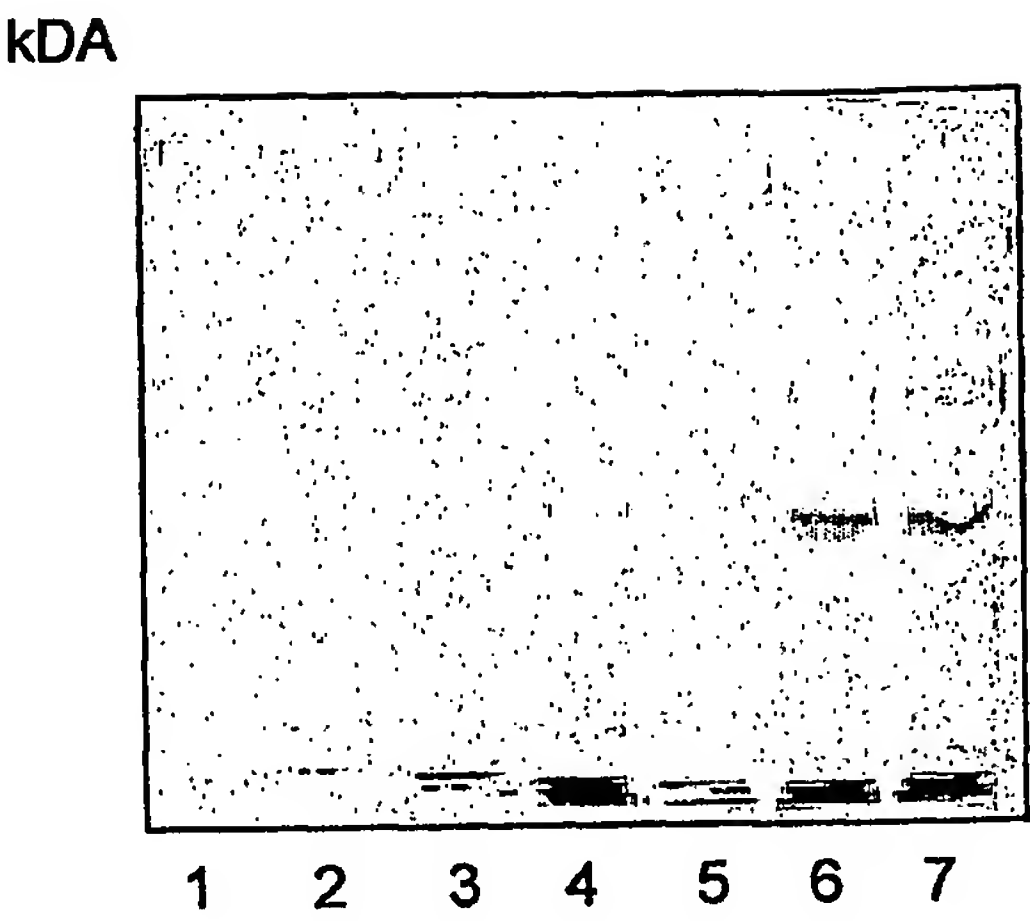


Fig. 19A

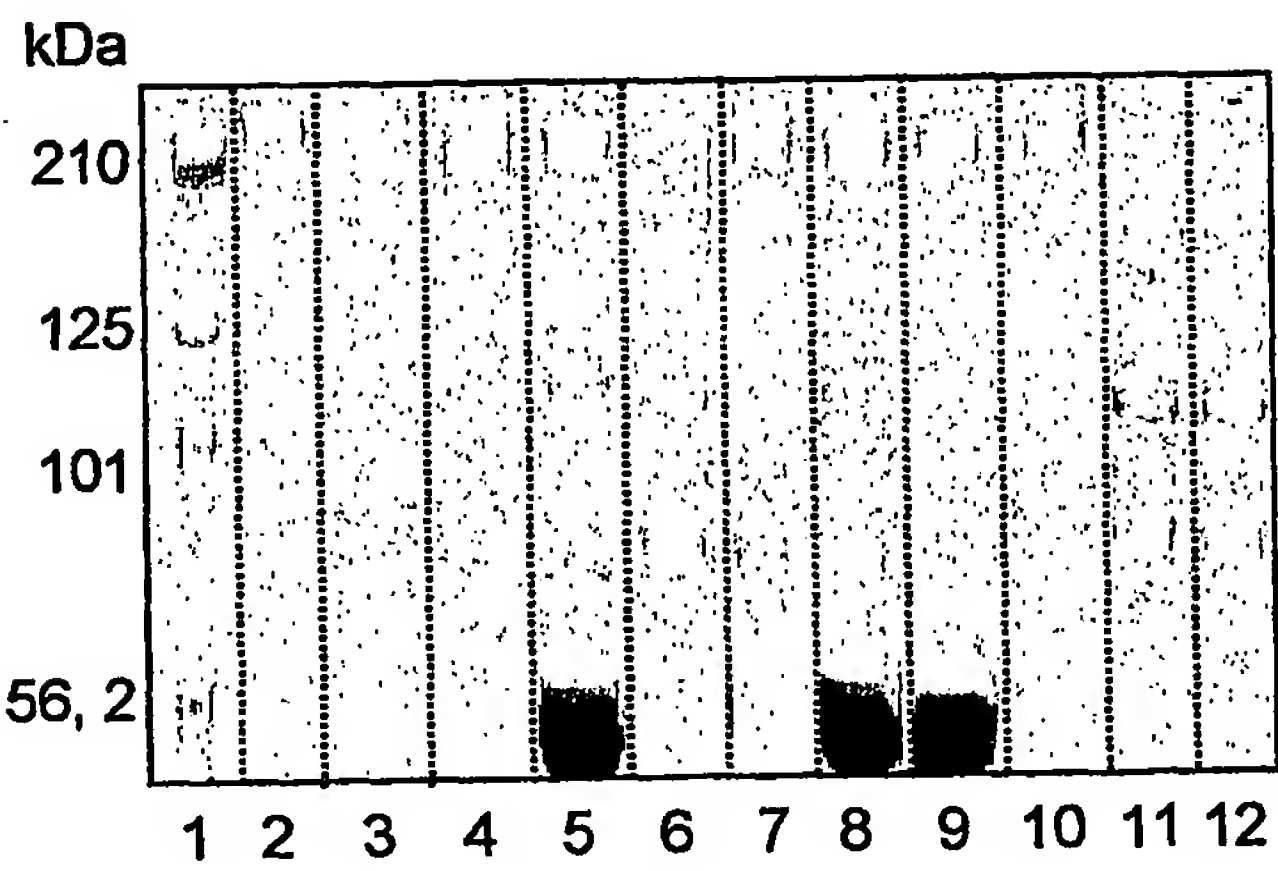


Fig. 19B

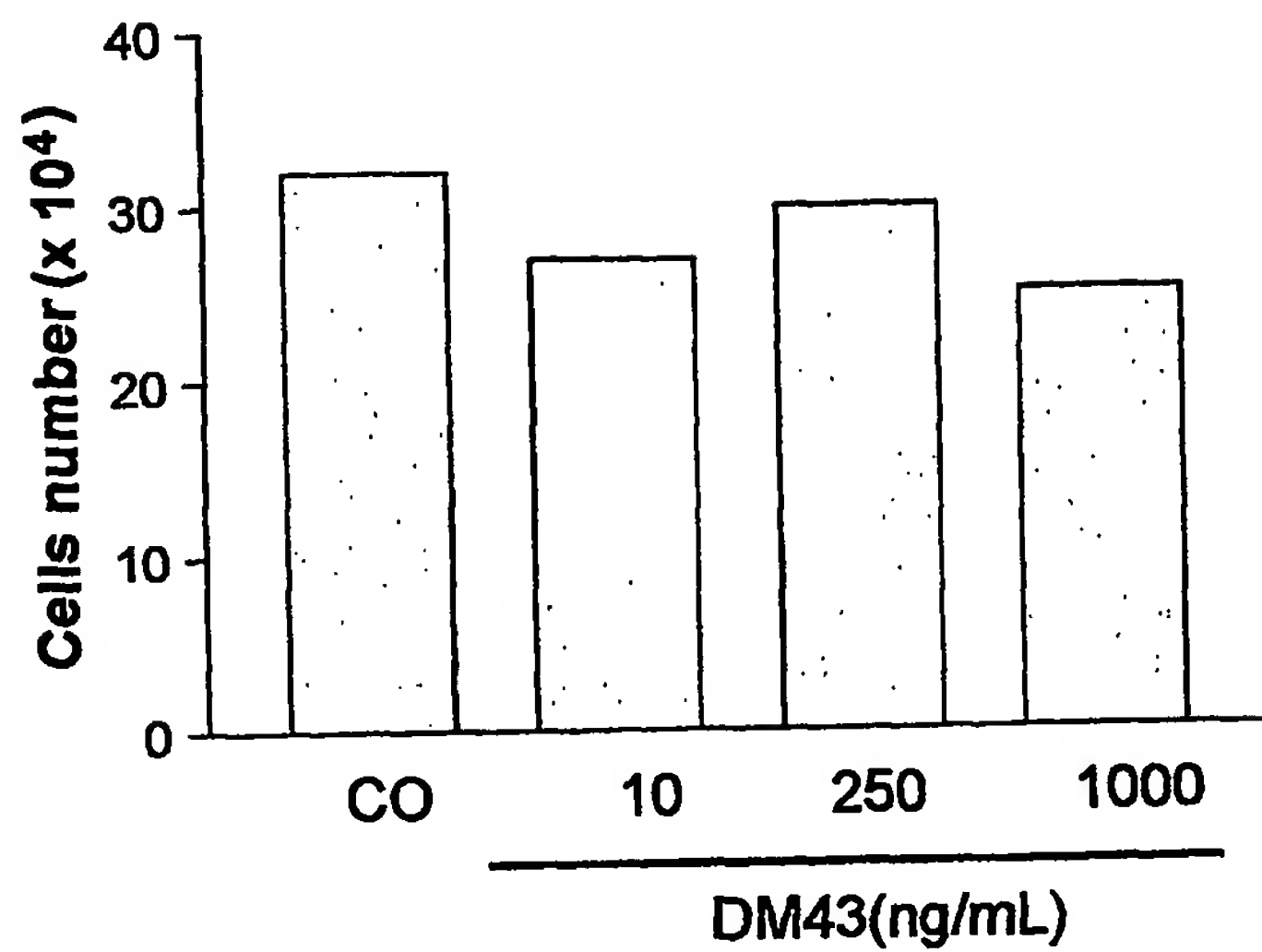


Fig. 20

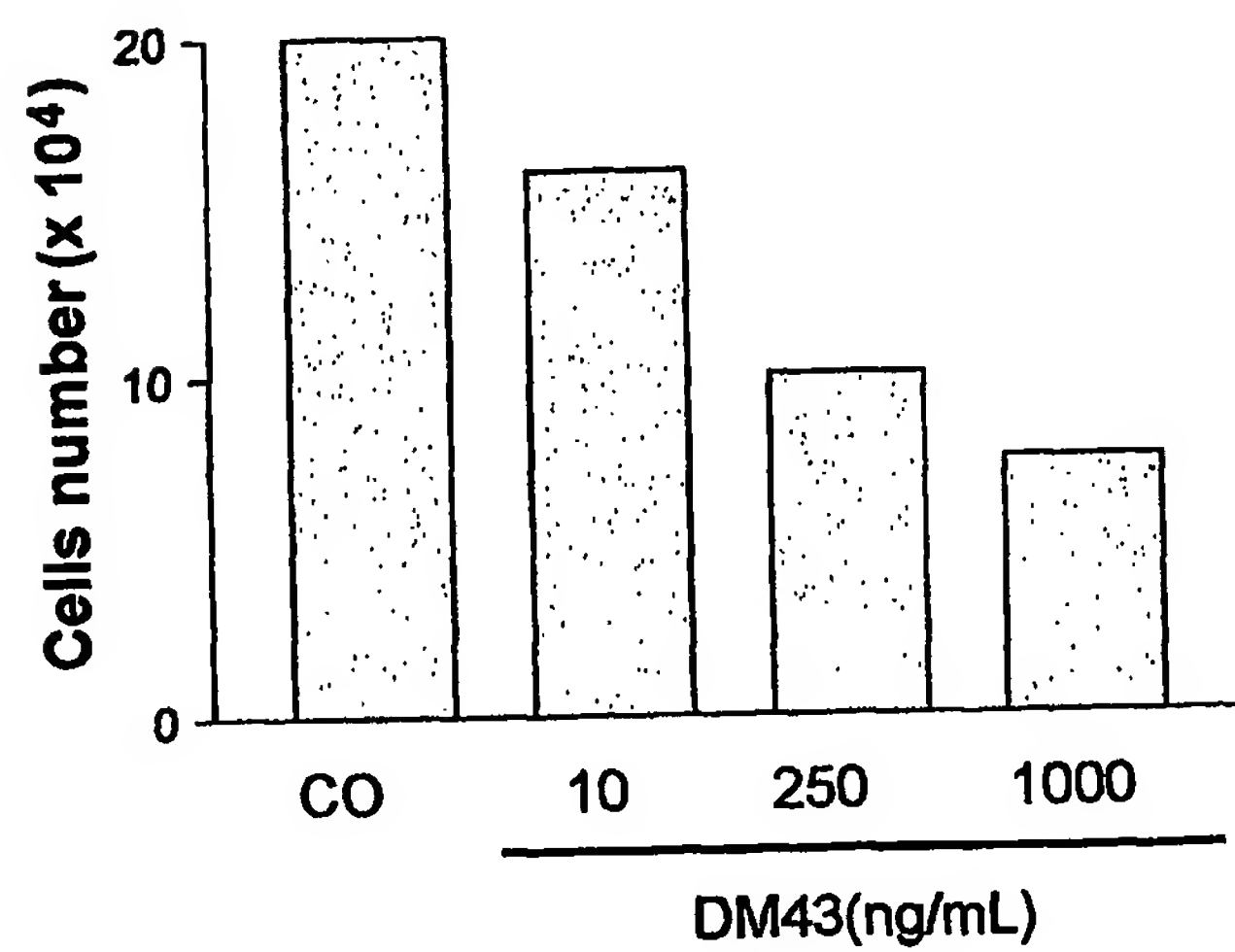


Figura 21

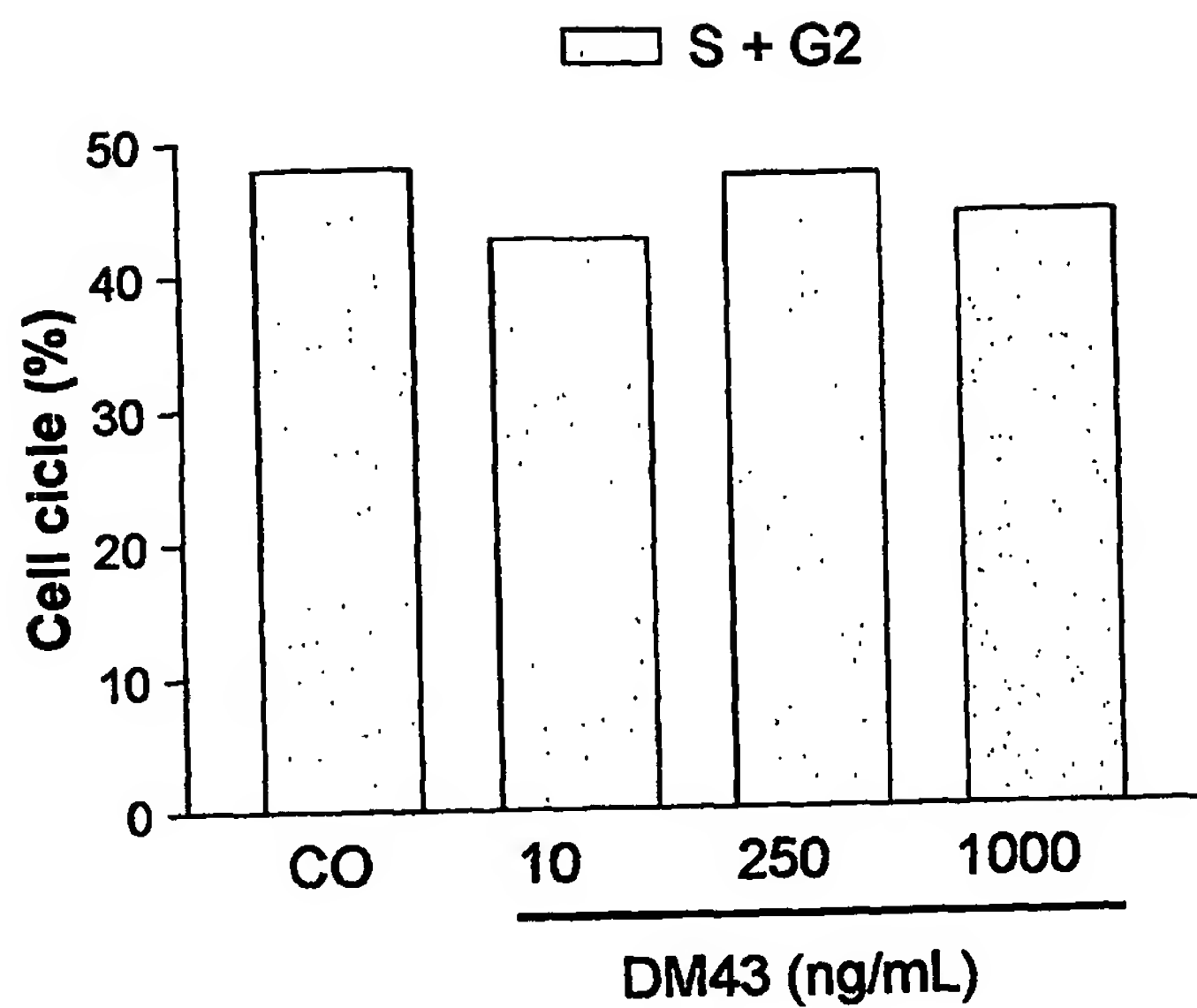


Fig. 22

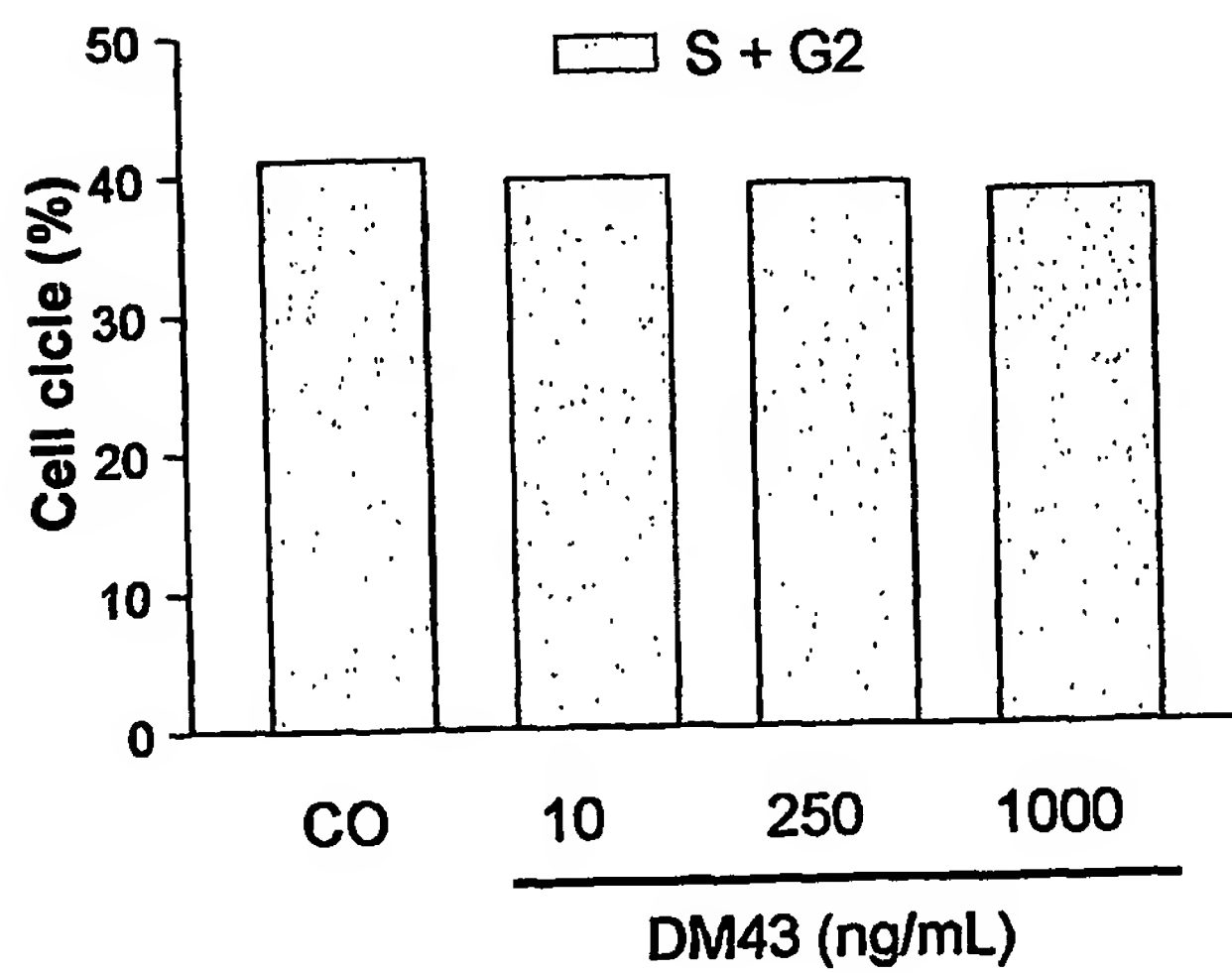


Fig. 23

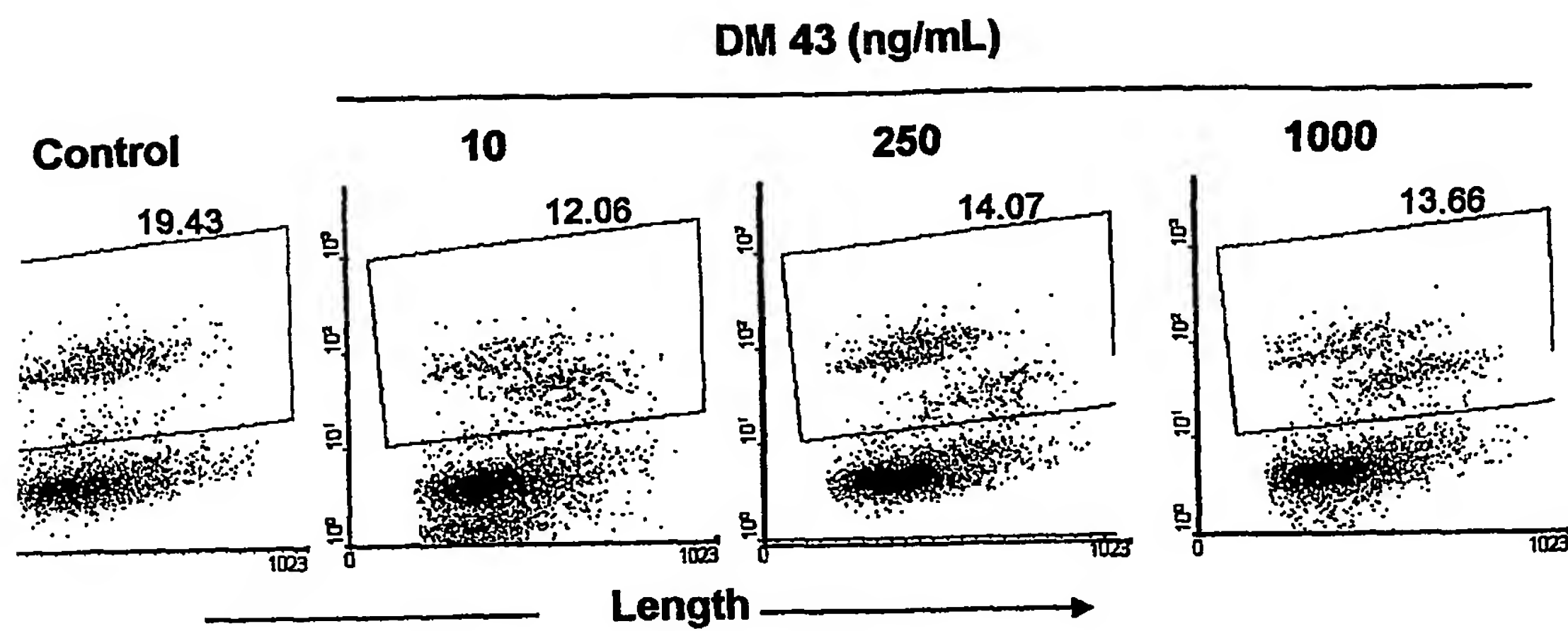


Fig. 24A

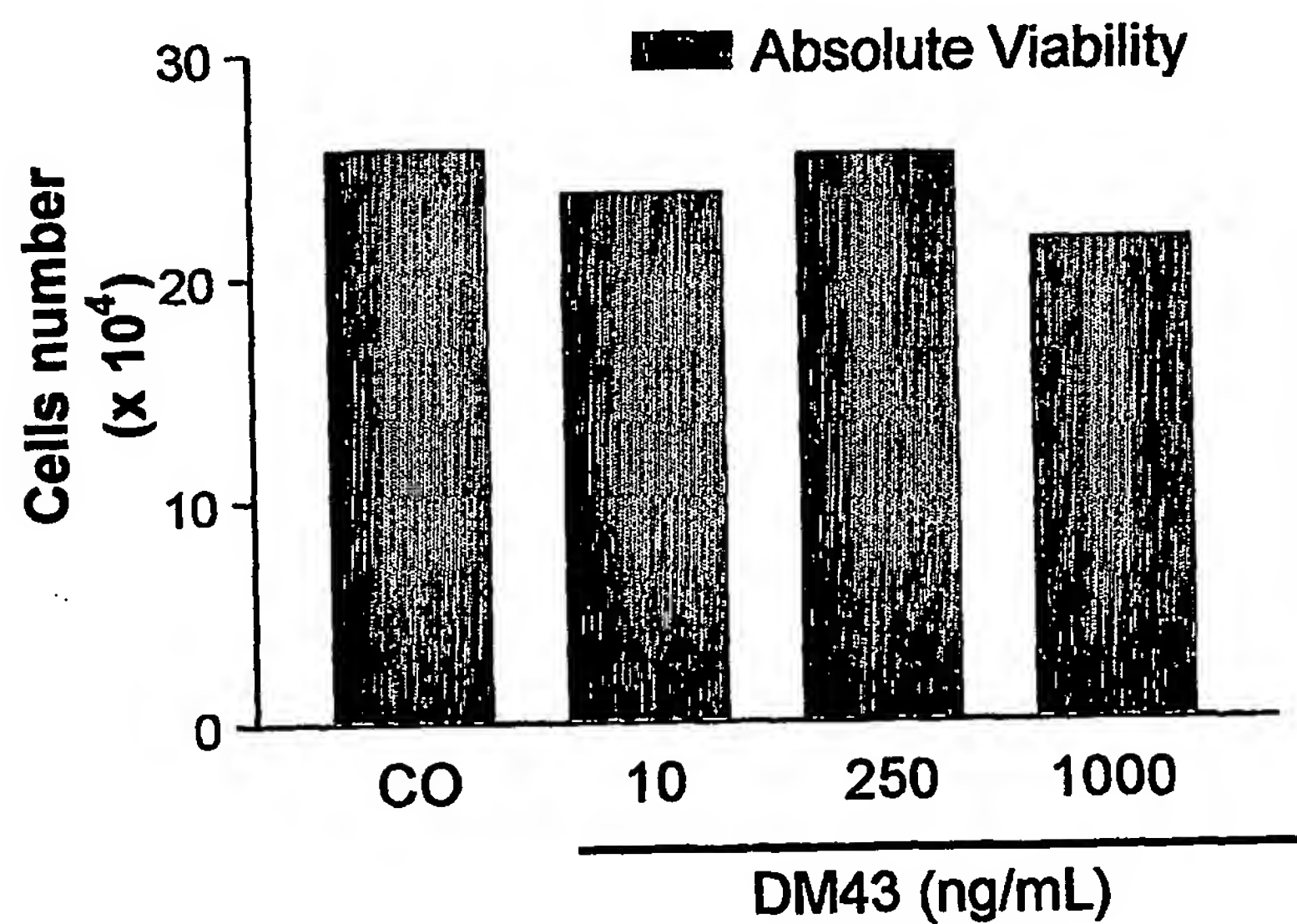


Fig. 24B

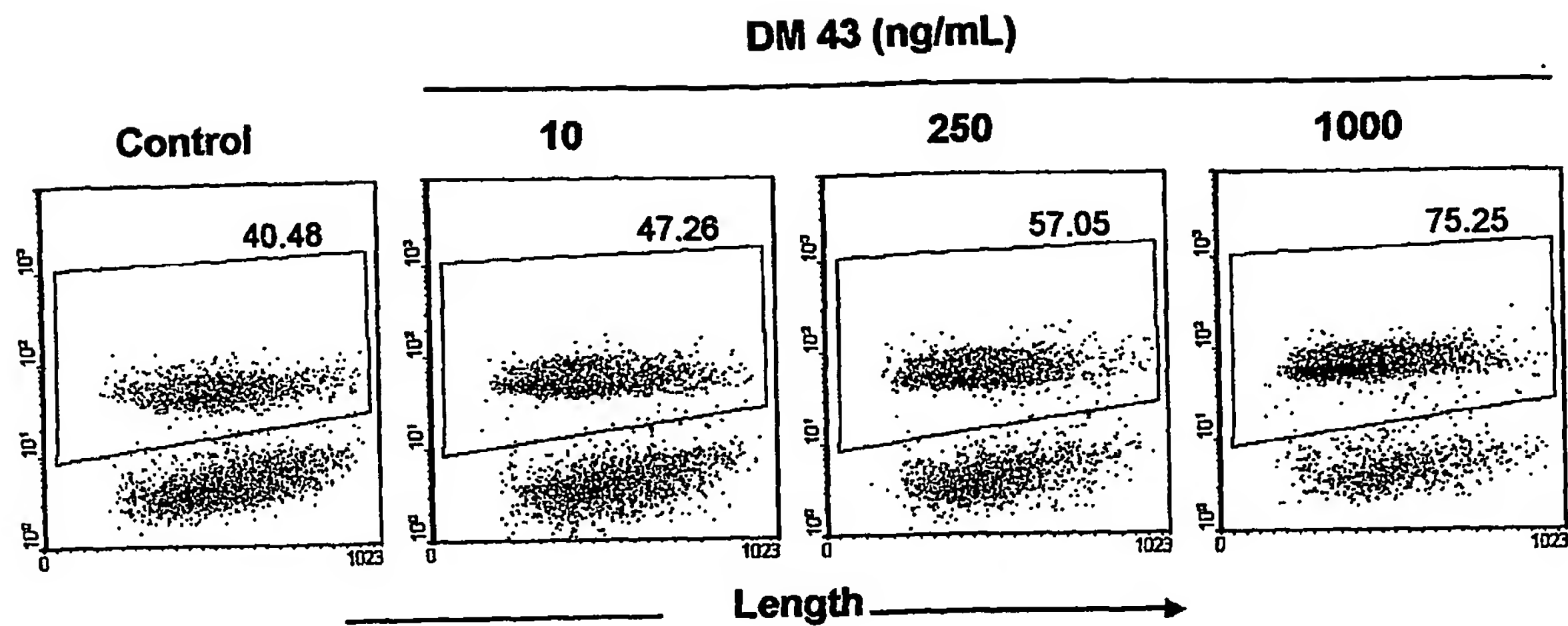


Fig. 25A

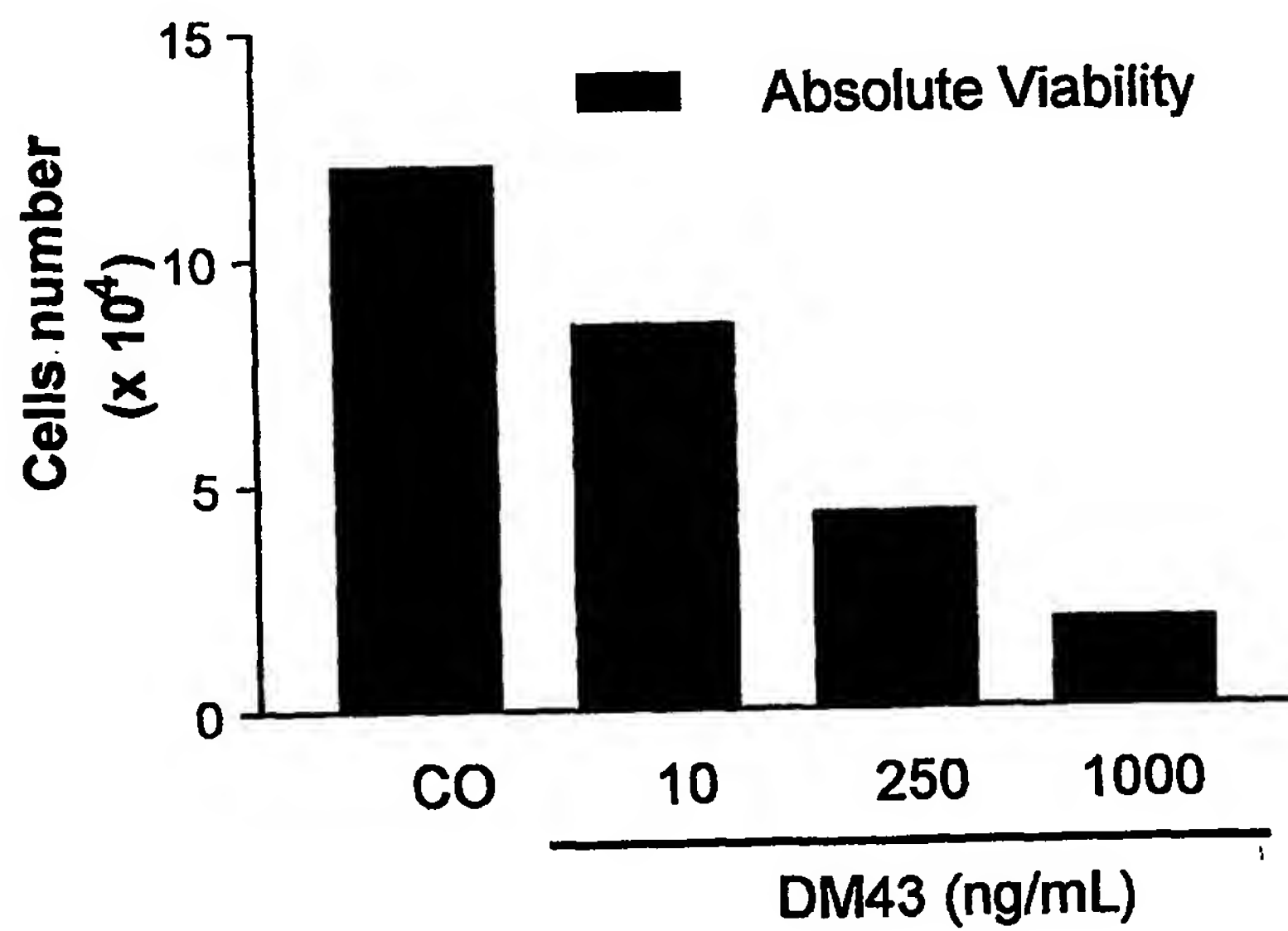


Fig. 25B

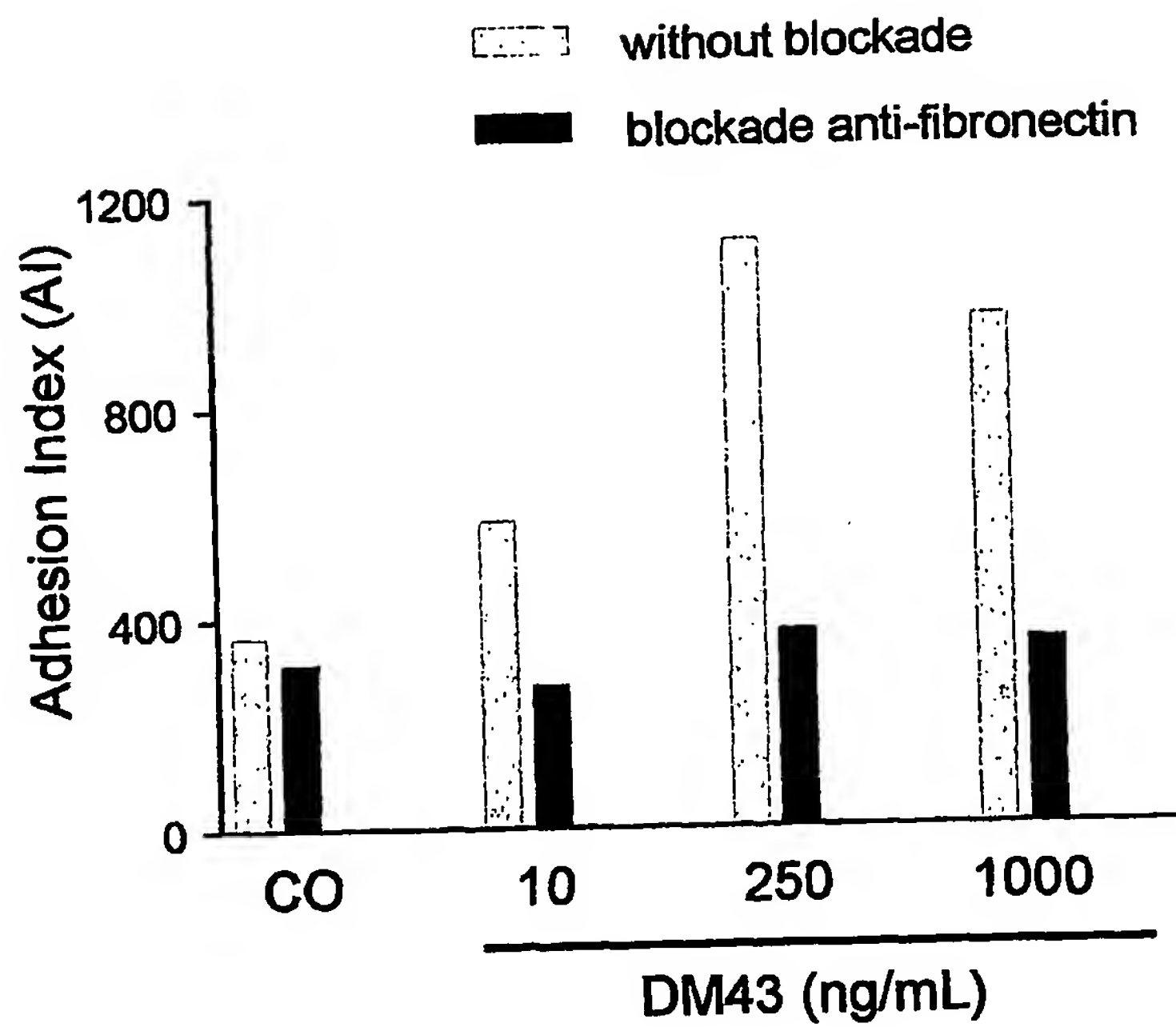


Fig. 26